WatchNET®

Integrated Digital Technologies

Since 2000

2013/2014
PRODUCT LINE

HD Ready

www.watchnetinc.com

WatchNET®
Integrated Digital Technologies

Message from the President

Watch*NET* is a leading manufacturer/supplier of quality video and surveillance equipment. Since our founding in 2000, we have been providing highly developed, competitively priced digital video solutions. With our dedication to quality and attentive customer service, Watch*NET* has excelled in developing cutting-edge products that take conventional security to a new level.

Watch*NET* is a global company with locations in Canada, the US, India and UAE. With ongoing expansion in the US and UAE, Watch*NET* now has more than 30,000 square feet of stocked and functional office facilities. Coupled with numerous partnerships across the globe, Watch*NET* has become a truly international solution provider.

New to Watch*NET* product offering is Access control system. Years of research and development and market study enabled Watch*NET* to bring access control that is truly outstanding and capable of single door system to enterprise level security. Keeping the complex security needs in mind video and intrusion integration is offered with the access control.

Watch*NET* offers various new technologically advanced products in 2013, NVR and Hybrid Video recording technology combined with the Smart cameras offering highest resolution available Analog / Network video recording.

Watch*NET* takes great pride in maintaining a team-based work environment. Our clients are drawn to us, because of our commitment to delivering quality solutions as well as our superior customer service.

Having built our reputation on dedication to our clients, Watch*NET* remains committed to customer satisfaction. At Watch*NET*, we understand that quality products and reliable service and support are the exact ingredients for success in a competitive security market. With this in mind, we at Watch*NET* strive to conduct our business with integrity as we continue to deliver the quality of product and support that has been our recipe for success.

Watch*NET* has a great bond with all our customers. In fact, I would go as far to say a Watch*NET* client is much more than a customer, but also a friend!

Alex Thomas
President & CEO

INDEX:

NetFLOW TRIBRID Software....Page 6-7
Enterprise NVR Servers....Page 8
Extended Storage Recorders....Page 9
Standalone Network Video Recorders (NVR)....Page 10
Hybrid DVRs....Page 11
MPIX 5 MegaPixel IP D-WDR Cameras....Page 12-13
MPIX 2.1 MegaPixel IP D-WDR IR Cameras....Page 14
MPIX 1.3 & 2.1 MegaPixel IP D-WDR Cameras....Page 15
MPIX MegaPixel IR WDR Dome/360^{0} Panoramic Dome/Mini PTZ Camera....Page 16
NetFLOW LT 64 CH Software Features....Page 17
XHD (HD SDI) Cameras....Page 18-19
HD SDI Recorders....Page 20
Analog DVRs 1U, 1.5U and 2U E-Series Models....Page 21
32 Channel Analog DVR....Page 21
MPIX MegaPixel/Intelligent PTZ Cameras....Page 22
Analog/IP PTZ Cameras....Page 23
Analog Mini PTZ and IR PTZ Cameras....Page 24
PTZ / SDI Accessories....Page 25
XHR 960H Smart Cameras....Page 26-28
HD CMS Features....Page 29
XDD III Cameras....Page 30-32
License Plate Recognition/WDR Cameras....Page 33
EDGE Value Line DVR 4/8/16 Ch....Page 34
EDGE Value Line Cameras....Page 35-36
Specialty Cameras....Page 37
Access Control Panels....Page 38
Access Control Management Software Fearures....Page 39
Access Control, I/O and Elevator Controllers....Page 40
Access Control, Proximity Readers/Long Range Readers....Page 41
Biometric Controllers/Wireless Transmitter & Receivers....Page 42
Access Control Accessories....Page 43
Time Server, Data TAP and Power Supplies....Page 44
Lens, Microphone and Video Server....Page 45
Brackets....Page 46
NetFLOW Analog Capture Cards....Page 47

WatchNET®
Integrated Digital Technologies

Corporate offices

CANADA **USA** **UAE**

PRESTIGIOUS INSTALLATIONS AROUND THE WORLD

Brunei

Australia

INDIA

WatchNET has grown consistently over the past 12 years. Since our beginnings in North America, we have expanded worldwide with offices and representation in Europe, Middle East, Africa, Asia Pacific and Latin America.

WatchNET dealers have prestigious installations done around the world over 12 years in Education, Retail, Mobile video, Ports, Logistics, Banks and Law enforcement etc.

Industry Specific Solutions

Ports

Industrial

Transportation

ATM/Banking

Retail/POS

Law Enforcement

Education

Central Management

Access Control

HD High Definition video recording & management software with built-in Intelligence & Video Analytics

NetFLOW by Watch*NET* is a High definition video recording and management software, designed for easy deployment from small to multi site applications with unlimited expansion possibilities. Built in instant analytics and reporting results in stand alone operation with minimum human intervention.

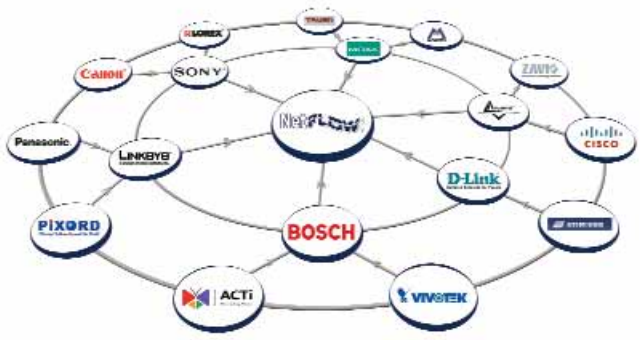
- True TRIBRID management platform for Analog, IP and SDI video cameras
- Over 70 global IP camera brands and 1750 models are supported with easy auto configuration camera wizard
- Six embedded video analytics functions that can trigger multiple instant responses for reduced investigation times
- Failover Recording Server is a standby for a single or a group of Recording Servers. Automatic switch to the standby server on the failure or abnormal termination of the Recording Server ensure continuous system recording
- Remote Smart Search for 5 different special events (Motion, missing object, foreign object, camera occlusion and signal lost) in recorded files with date, time and log file
- Schedule or manual backup of the recording for archiving purposes or backup the recording with an embedded player. Supports both local and remote backup to local HDD and DVD
- Variable-Dual Stream Management (VDSM) technology delivers smooth video over network with bandwidth restrictions
- Integration with 3rd party applications for POS (Point of sale) and LPR (License plate recognition)
- Full server control over network for viewing, playback and configuration
- Mobile application for all major mobile and smart phones
- Powerful Central Management System (CMS), ultimate central video monitoring solution for scalable enterprise level projects and multi site management
- E map and multi monitor support for easy control room settings

ONVIF

Full HD 1080p

NEW Load Balancing Technology for HDD

Supports more than 70 global brands & over 1750 models



Built-in Multiple Video Analytics

The all new built-in analytics function protect your assets with 6 different video analytic events, Digital inputs and outputs.

Advanced Intelligent Video Surveillance with 4 types of counting filter and 8 types of video surveillance analytics provide comprehensive / super detection performance and easy installation.

Missing object

Foreign object

Local Recording

1080P Full HD 5300 KBps

Remote Viewing

CIF High Speed 100 KBps

Multi Stream Video - Transcoding

The new effective multi-stream video transcoding helps you to record & stream with different resolution and frame rate. You can transcode high bandwidth video streams into a much lower bandwidth stream for remote viewing. You can experience every pixel regardless of IP, Megapixel or HD-SDI cameras.

Mode	Resolution	Frame Rate	Bandwidth*
Recording	1920 x 1080	30fps	5300 KBps
Remote Monitoring (After transcode)	320 x 240	5~30fps	50~3000KBps
*Actual bandwidth varies by scene complexity.			

1 Choose NDVR Server

NDVR Servers | Servers

- ESR-X20-S / ESR-X20-R
- ESR-I20-S / ESR-I20-R
- IS-658 / IS-678

2 Choose Analog Channels

Analog Channels | H.264 Hardware Cards

- NFHC-XX (XX represents analog channels can be added in multiples of 4)
- Example: NFHC-08 (8 analog channels)

3 Add NDVR License

NDVR License | Camera License

- NFMX-XX (XX represents IP channels can be added in multiples of 4)
- Example: NFMX-08 (8 IP channels)

*To order Netflow servers choose item 1 + 2 + 3 as separate part numbers and mention **build as system** on PO.*

**Number of IP cameras may vary according to the bandwidth available.*
License required for IP camera recording.

Enterprise NVR Servers

ENX-128HD-2T 128CH D1 or 32 Channel Full HD Real Time Network Video Recorder

ENTERPRISE CLASS NVR
128 Channel & 64 TB Storage Capacity
Built-in RAID 0, 1 & 5

Full HD 1080p
HDMI HIGH DEFINITION MULTIMEDIA INTERFACE
eSATA Port

- Intel® Core™ i5 Processors
- Embedded LINUX
- Max 128 Channel IP cameras connection
- Up to 32 channel HD realtime transmission
- Up to 128 Channel@D1, 64 Channel@720P, 32 Channel@1080P realtime recording
- Up to 6-screen output: 6 HDMI sync output/1 VGA+5 HDMI sync output (Default: 2HDMI+1VGA)
- Support 16 hot-swap SATA HDDs to better its scalability and flexibility
- Support RAID 0/1/5(optional)
- Support Multi-brand network cameras with ONVIF
- 4GB DDR3 (up to 8GB)
- Network download / USB HDD / eSATA Device
- ONVIF Version 2.0 Conformance

ONVIF

ENX-64HD-2T 64CH D1 or 16 Channel Full HD Real Time Network Video Recorder

ENTERPRISE CLASS NVR
64 Channel & 64 TB Storage Capacity
Built-in RAID 0, 1 & 5

Full HD 1080p
HDMI HIGH DEFINITION MULTIMEDIA INTERFACE
eSATA Port

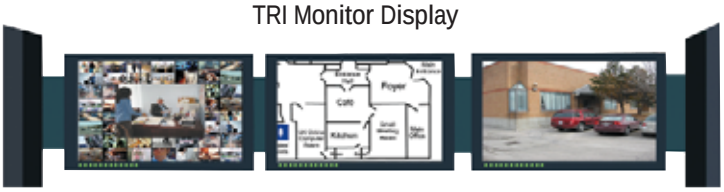
- Intel® Core™ i3 Processors
- Embedded LINUX
- Max 64 Channel IP cameras connection
- Up to 16 Channel HD realtime transmission
- Up to 64 Channel@D1, 32 Channel@720P, 16 Channel@1080P realtime recording
- Up to 6-screen output: 6 HDMI sync output/1 VGA+5 HDMI sync output (Default: 2HDMI+1VGA)
- Support 16 hot-swap SATA HDDs to better its scalability and flexibility
- Support RAID 0/1/5(optional)
- Support Multi-brand network cameras with ONVIF
- 2GB DDR3 (up to 8GB)
- Network download / USB HDD / USB CD&DVD-RW / eSATA Device

ONVIF

Extended Storage Recorders

ESR-X-20S / ESR-X-20R

TRI Monitor Display



64 CH Display E-Map Virtual Matrix

WatchNET X (Extreme) Servers

- Preloaded with choice of NetFLOW IP or NetFLOW LT High Definition Video analytics and management software this server is ready for rapid deployment
- Scalable TRIBRID recording solution that can record up to 64 Channels in Analog, IP, Megapixel or HD SDI cameras
- Two gigabit Ethernet ports allow effective management of bandwidth
- Dual 12 Core Intel Xeon processors
- RAID 5 Drive configuration (Optional)
- 4U Rack mount case with twenty removable drive bays
- USB 3 and DVD Writer for easy video backup and restore
- VGA, HDMI, Display Port, monitors supported at full 1080P resolution
- Windows 64bit OS pre-installed on the SSD drive

ESR-I-20S / ESR-I-20R / NDVR-IS-658 / NDVR-IS-678

WatchNET I (Industrial) Servers

- Preloaded with choice of NetFLOW IP or NetFLOW LT High Definition Video analytics and management software this server is ready for rapid deployment
- Scalable TRIBRID recording solution that can record up to 64 Channels in Analog, IP, Megapixel or HD SDI cameras
- Two gigabit Ethernet ports allows effective management of bandwidth
- RAID 5 Drive configuration supported, RAID 6 (Optional)
- Embedded Windows7 platform installed on SSD drive for reliable performance
- 3 VGA / HDMI, monitors supported at full 1080P resolution

Model NDVR-IS-658
Industrial Grade Server: 4U Rack; 6 Bay; Core I-5; 8GB Ram; 2TB HDD (Enterprise Drive); DVD-RW
Model NDVR-IS-678
Industrial Grade Server: 4U Rack; 6 Bay; Core I-7; 8GB Ram; 2TB HDD (Enterprise Drive); DVD-RW

ESR - 20B / WN-ESS04A

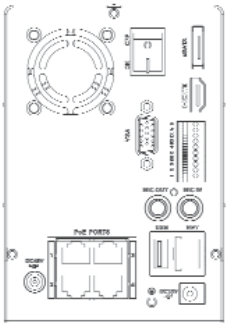
WatchNET Storage Units

Model ESR-20B
WatchNET Attached 20Bay Storage for PC Based DVR/NVRs
This storage device will provide extended capacity of 60TB when used with any PC based servers
Model WN-ESS04A
Developed exclusively for embedded DVR systems
Compact air cooled 1.5U (4x3TB)
12TB e-SATA storage
Compatible with E, EX, EN, EH, ENC & ENS-Series DVRs

Standalone NVRs

ENC-04POE / ENC-04POE-1T, 2T

4 Channel Cube POE NVR



Ask for specially priced KITS

4 Port POE Built-in

Full HD 1080p

ONVIF PROFILE S

MPIX

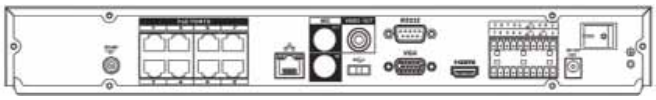
Fully integrated with Watch*NET* MPIX line of cameras

- Dual Core CPU with super fast processing power
- 4 Port POE built-in
- Limited integration with ONVIF cameras on all models
- Auto port forwarding (UPNP) for routers
- 4 IP Cameras Real-Time 30FPS @ 1080P
- Video Output - 1X VGA, 1X HDMI
- Alarm triggering, OSD, siren, PTZ preset, e-mail, FTP upload
- H.264/MJPEG dual codec decoding
- Max 120fps@1080p preview & recording
- GRID Base interface for playback and smart search
- Supports Black Berry, iPhone, iPad, Android, Windows Phone
- Built-in web server & Multifunction CMS

ENS-08POE / ENS-16POE

8 & 16 Channel POE NVR

Ask for specially priced KITS



8 Port POE Built-in

Full HD 1080p

ONVIF PROFILE S

MPIX

Fully integrated with Watch*NET* MPIX line of cameras

- 8 & 16 channel with 1080p realtime live view
- Dual-core embedded processor
- 8 Port POE built-in, Plug&Play
- H.264/MJPEG dual codec decoding
- Selected 5Mp resolution cameras supported
- Max 240fps@1080p, 480fps@720p
- HDMI / VGA simultaneous video output
- 16 channel synchronous realtime playback, GRID interface
- 3D intelligent positioning with PTZ camera
- Support 2 SATA HDDs up to 8TB, 2 USB2.0
- GRID interface & smart search
- Support Black Berry, iPhone, iPad, Android, Windows Phone
- Built-in web server & Multifunction CMS
- Support Multi-brand network cameras

Note: ENS 16POE model has only 8 port POE built in, external POE Switch needed for 16 camera connection

EN-16-2T

16 Channel Embedded NVR

HDMI® HIGH-DEFINITION MULTIMEDIA INTERFACE

eSATA Port

Full HD 1080p

MPIX

Fully integrated with Watch*NET* MPIX line of cameras

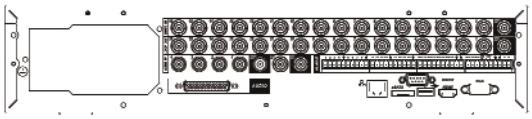
- Dual Core CPU with super fast processing power
- Auto port forwarding (UPNP) for routers
- 4 and 8 channel simultaneous playback
- 16 IP Cameras@1080p(15fps), 8 IP Cameras@1080p(30fps)
- Video Output - 1X VGA, 1X HDMI
- Alarm triggering, OSD, siren, PTZ preset, e-mail, FTP upload
- Enhanced H.264 compression algorithm save HDD space & low bandwidth transmission
- 2U rack mount design
- Max 24TB internal storage + 12TB expansion
- Dual GigaBit LAN port for fast comunication

Powerful Dual Core Processor
Full HD Independent upscaling feature

Hybrid DVRs

EH-04RTHD-1T, 2T / EH-08RTHD-1T, 2T

Hybrid 4 and 8 Channels Standalone DVR



BlackBerry iPhone Android Windows

MAC OS Compatible

Full HD 1080p

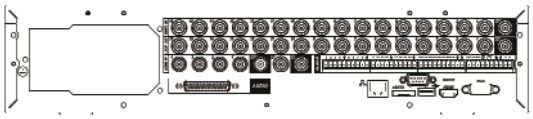
MPIX

Fully integrated with Watch*NET* MPIX line of cameras

- Industrial Hi performance architecture
- eSata, HDMI, Dual Gigabit LAN, VGA & RGB Outputs
- PTZ Support with POINT TO ZOOM FUNCTION
- 960H Recording all channels @30fps (700TVL)
- Dual Streaming / H.264 compression
- 8@720P, 4@1080P
- Video Output - 1X Composite video, 1X VGA, 1X HDMI, 1X Matrix
- Alarm triggering, OSD, siren, PTZ preset, e-mail, FTP upload
- Enhanced H.264 compression algorithm saves HDD space & transmit at low bandwidth
- Max 24 TB internal storage + 12TB expansion

EH-16RTHD-1T, 2T

Hybrid 16 Channels Standalone DVR



BlackBerry iPhone Android Windows

MAC OS Compatible

Full HD 1080p

MPIX

Fully integrated with Watch*NET* MPIX line of cameras

- Industrial Hi performance architecture
- eSata, HDMI, Dual Gigabit LAN, VGA & RGB Outputs
- PTZ Support with POINT TO ZOOM FUNCTION
- 960H Recording all channels @30fps (700TVL)
- Dual Streaming / H.264 compression
- 16 IP Cameras, 16@D1, 8@720P, 4@1080P
- Video Output - 1X Composite video, 1X VGA, 1X HDMI, 1X Matrix
- Alarm triggering, OSD, siren, PTZ preset, e-mail, FTP upload
- Enhanced H.264 compression algorithm saves HDD space & transmit at low bandwidth
- Max 24 TB internal storage + 12TB expansion

NFH-16H4I

NetFLOW Hybrid Server

HDMI® HIGH-DEFINITION MULTIMEDIA INTERFACE

Full HD 1080p

- Supports 16ch@D1@30fps analog and 4ch@1080p@30fps megapixel cameras
- Core I-7 Processor with 8GB Ram enclose in a 6 Bay 4U Rack
- Hardware Compression H.264
- Real time Display and Recording
- Failover Recording Server Support
- Built-in web server
- H.264 compression format
- Triple monitor display
- Manual and Schedule backup support
- POS, I/O device, LPR and access control integration
- Privacy Mask
- Software watchdog
- Supports iPhone, iPad and Android clients
- Remote smart playback system with 5 video analytics searches

MPIX IP Camera Features

MPIX MegaPixel Network IP Camera

HD (High Definition) Surveillance

Mpix MegaPixel Network Camera provides full HD Video for detailed surveillance needs with much more clarity than analog cameras.

SVGA 800x600

MegaPixel Camera

Progressive Scan Sony Exmore Network Camera

HD Network Camera progressive scan technology allows the capture of noiseless, high quality video of moving subjects.

Conventional Interlaced Scan Camera

HD Progressive Scan Camera

Various Image Resolutions

HD Network camera supports various resolutions simultaneously for various user applications.

1.3M 1288x1024

16:9 HD 1280x720

QVGA 320x240

SVGA 800x600

DNR (Digital Noise reduction)

Watch*NET* DNR technology utilizes both an adaptive 2D filter reducing noise in the brightness of the image and an adaptive 3D filter reducing noise caused by movement.

3D-DNR OFF

3D-DNR ON

HD-SDI camera supports Motion Adaptive DNR function that removes noise and greatly reduce motion blur.

Plug & Easy Play over IP

- Watch*NET* Mpix cameras come with Free NetFLOW LT - the best recording software in the industry
- Stable and expandable up to 64 channels
- Mpix cameras supports plug and play installation
- Web and mobile phone support included
- Windows 7 32 bit and 64 Bit OS supported

Dual Codec & Dual Streaming

Dual codec (H.264, MJPEG) can be transmitted simultaneously, enabling purposes such as real time monitoring, high quality or high efficiency recording.

ONVIF Conformance

Watch*NET* is a proud member of ONVIF (Open Network Video Interface Forum) and Watch*NET* Network Camera is following ONVIF specification and conforming.

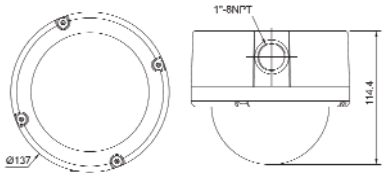
ONVIF PROFILE S

MAC OS Compatible

MegaPixel IP Cameras

MPIX-50VDV-IR

5 Megapixel IP Vandal Proof Dome Camera



BRACK-MPIX-50W

FREE 64 Camera NetFLOW Software Included

Full HD 1080p | PoE | MPIX

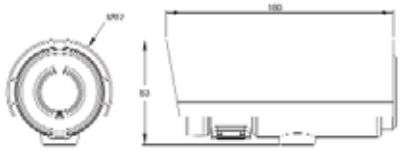
ONVIF PROFILE S

- 1/3.2” 5 Megapixel progressive scan Exmor CMOS
- 30fps@1080P(1920×1080)
- Angle of View: Horizontal: 28.9°~ 93.59°
  Vertical: 22.3°~ 71.5°
- H.264 / M-JPEG / MPEG4 compression
- D-WDR, 3D+2D Digital Noise Reduction
- Vari-focus Lens 3 ~ 9mm@F1.8
- 15fps @5Mp
- IR LED 15M IR Illumination
- Support 2-way audio
- Support NetFLOW
- IP66, Built-in PoE
- Operating Temperature: -35°C ~ +50°C
- Smart phones compatible
- Micro SD card backup

IP66 | H.264 | D-WDR

MPIX-50-BIMR

5 Megapixel IP Bullet Outdoor Camera



FREE 64 Camera NetFLOW Software Included

Full HD 1080p | PoE | MPIX

ONVIF PROFILE S

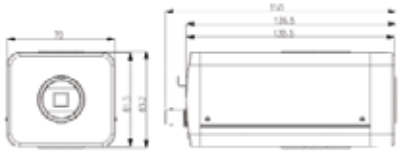
- 1/3.2” 5 Megapixel progressive scan Exmor CMOS
- H.264 / M-JPEG / MPEG4 compression
- Max 25 / 30fps @1080p
- Angle of View: Horizontal : 18.5°~ 73.26°
  Vertical : 19.98°~ 51.9°
- D-WDR, 3D+2D Digital Noise Reduction
- Vari-focus Lens 3 ~ 9mm@F1.8
- 3-Axis Bracket Management
- Support NetFLOW
- IP66, Built-in PoE
- IR LED Built-in 25M available
- Micro SD memory, PoE
- Smart phones compatible

IP66 | H.264 | D-WDR

MPIX-50SBC / MPIX-21SBC

5.0 / 2.1 Megapixel D-WDR Box Camera

*Lens not included



FREE 64 Camera NetFLOW Software Included

Full HD 1080p | PoE | MPIX

ONVIF PROFILE S

Model: MPIX 50SBC - 5.0 Megapixel progressive scan Exmore CMOS, Max8fps@5.0M(2536×1920) & 25/30fps@1080P(1920×1080)
Model: MPIX 21SBC - 2.1 Megapixel progressive scan Exmore CMOS, 25/30fps@1080P(1920×1080)

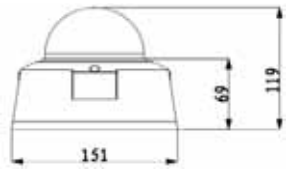
- H.264 & MJPEG dual-stream encoding
- D-WDR, Day/Night(ICR), 2DNR, Auto iris, AWB, AGC, BLC
- Built-in 1/1 alarm in/out
- Micro SD memory, PoE
- Built-in web server & Multifunction CMS
- Smart phones compatible

DNR | H.264 | D-WDR

MegaPixel IP Cameras

MPIX-20VDV-IRM

2.1 Megapixel dome with Motorized Remote Zoom & Focus Lens



Motorized
Remote Zoom & Focus Lens

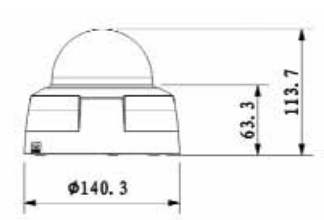
- Motorized, remote focus/zoom, vandal dome camera
- 1/3" 2.1 Megapixel progressive scan Exmor CMOS
- 25/30fps@1080P(1920×1080)
- H.264 & MJPEG dual-stream encoding
- D-WDR, Day/Night(ICR), 2DNR, Auto iris, AWB, AGC, BLC
- 3~9mm Vari-focal motorized lens
- Max. IR LEDs length 20m
- Built-in 1/1 alarm in/out and Auio Input
- Micro SD memory, IP66, IK10, PoE
- Multiple network monitoring: Built-in web server & Multifunction CMS
- Smart phones compatible

FREE 64 Camera NetFLOW Software Included

ONVIF PROFILE S

MPIX-21DV-IR

2.1 Megapixel IR Network dome with manual vari-focus lens



Optional Mounting Brackets:
MPIX-WALL-W and MPIX-PEND-W

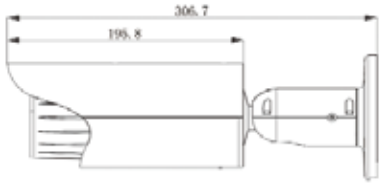
- 1/3" 2.1Megapixel progressive scan Exmor CMOS
- H.264 & MJPEG dual-stream encoding
- Max 25 / 30fps @1080p
- D-WDR, Day/Night(ICR), 2DNR, Auto iris, AWB, AGC, BLC
- Multiple network monitoring: Built-in web server & Multifunction CMS
- 3.3~12mm varifocal lens
- Built-in 1/1 alarm in/out and Auio Input
- Max IR LEDs length 20m
- Micro SD memory, PoE
- Smart phones compatible

FREE 64 Camera NetFLOW Software Included

ONVIF PROFILE S

MPIX 21 BIMR

2.1Mp Full HD Motorized Lens Network Camera



Motorized
Remote Zoom & Focus Lens

- 1/3" 2.1 Megapixel progressive scan Exmor CMOS
- 25/30fps@1080P(1920×1080)
- H.264 & MJPEG dual-stream encoding
- D-WDR, Day/Night(ICR), 2DNR, Auto iris, AWB, AGC, BLC
- 3.3mm ~ 12mm Vari-focal lens
- Max. IR LEDs length 20m
- Built-in 2/1 alarm in/out and Auio Input
- Micro SD memory, IP66, IK10, PoE
- Multiple network monitoring: Built-in web server & Multifunction CMS
- Smart phones compatible

FREE 64 Camera NetFLOW Software Included

ONVIF PROFILE S

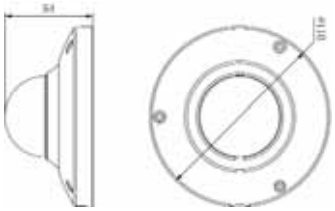
MegaPixel IP Cameras

MPIX 13 DF / MPIX 21 DF

1.3Mp / 2.1Mp CMOS HD Network Dome

MPIX 21DF
Indoor/Outdoor

MPIX 13DF
Indoor



Available back box
for easy installation

Wall Bracket::
Model# Brack-BB-35
Model# Brack-PM-35
Model# Brack-WM-35

FREE 64 Camera NetFLOW Software Included

PoE ONVIF PROFILE S MPIX

- H.264 video compression & JPEG image capture
- Dual encoding streams supported
- Built-in Web server, NetFLOW & Watch*NET* NVR compatible
- Support DC12V power supply, PoE

Model MPIX 13-DF:
- Mini Indoor Dome
- Max 30fps@720P(1280×720)
- 15fps@1.3M(1280×960) resolution
- Lens: 3.6mm

Model MPIX 21-DF: ← Full HD 1080p
- Indoor/Outdoor IP66 Rated
- Max 30fps@1080P resolution
- SD Card - Max 32GB, local storage
- Lens: 3.6mm

Special order: (6mm)

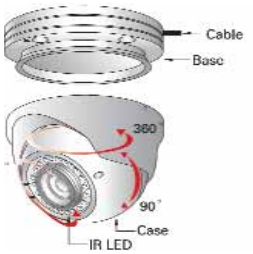
Day and Night | H.264 | D-WDR | Color

MPIX 13 IRBF / MPIX 21 IRBF

1.3 / 2.1Mp HD Network IR Network Camera

MPIX 21 IRBF

MPIX 13 IRBF



Compatible with most major
NVR Software

FREE 64 Camera NetFLOW Software Included

PoE ONVIF PROFILE S MPIX

- 1/3" 1.3 / 2.1 Megapixel Aptina CMOS image sensor
- IP66 all-environments protection, 4000V Lightning Protection, constant temperature automatic control & anti-fog
- Max. IR Distance: 20M Outdoor / 30M Indoor
- Dual encoding streams supported
- H.264 & MJPEG video compression & JPEG image capture
- Built-in Web server, NetFLOW LT, Watch*NET* HD compatible

Model MPIX 13-IRBF:
Max 30fps@720P(1280×720)
15fps@1.3M(1280×960) resolution
Lens: 3.6mm

Model MPIX 21-IRBF: ← Full HD 1080p
Max 30fps@1080P resolution
Lens: 3.6mm

Special order: (6mm)

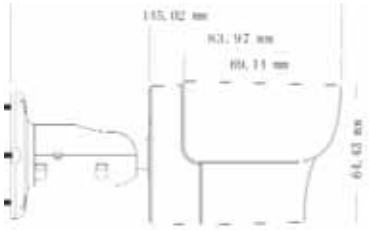
Day and Night | H.264 | D-WDR | Infra Red | IP66

MPIX 13 BIR / MPIX 21 BIR

1.3 / 2.1Mp CMOS HD IR Network Camera

MPIX 21BIR

MPIX 13BIR



FREE 64 Camera NetFLOW Software Included

PoE ONVIF PROFILE S MPIX

- H.264 video compression & JPEG image capture
- IP68 all-environments protection
- Max. IR Distance: 20m
- Dual encoding streams supported
- Support DC12V power supply, PoE
- Built-in Web server, NetFLOW & Watch*NET* NVR compatible

Model MPIX 13-BIR:
Max 30fps@720P(1280×720)
15fps@1.3M(1280×960) resolution
Lens: 3.6mm

Model MPIX 21-BIR: ← Full HD 1080p
Max 30fps@1080P resolution
Lens: 3.6mm

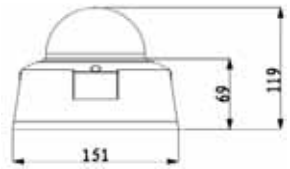
Special order: (6mm)

IP68 | Infra Red | H.264 | D-WDR | Day and Night

MegaPixel IP Cameras

MPIX-1.3VDW-IR

1.3 Megapixel WDR HD IR Vandalproof Dome Camera



PoE · ONVIF PROFILE S · MPIX

FREE 64 Camera NetFLOW Software Included

1. Normal 2. WDR ON

- 1/3" 1.3 Megapixel progressive scan CMOS (720P)
- Max 25/30fps@1.3M(1280x960) & 25/30fps@720P(1280x720)
- H.264 & MJPEG dual-stream encoding
- WDR, Day / Night (ICR), 2DNR, Auto iris, AWB, AGC, BLC
- 2.8 ~ 12mm Vari-focal lens
- Max. IR LEDs length 20m
- Built-in 1/1 alarm in/out & Audio Input
- Micro SD memory, IP66, IK10, PoE
- Multiple network monitoring: Built-in web server & Multifunction CMS
- Smart phones compatible

WDR
128dB Super Wide Dynamic Range

IP66 · H.264 · WDR

MPIX-20-360-DF

2.0 Megapixel 360° Panoramic Camera

FREE 64 Camera NetFLOW Software Included

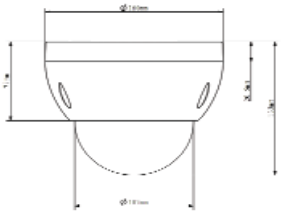
Full HD 1080p · PoE · ONVIF PROFILE S · MPIX

- 1/3" 2.0 Megapixel CMOS Sensor
- H.264 / JPEG compression
- One 360° Panorama view can replace multiple cameras view
- Support three monitoring modes
- Digital Wide Dynamic Range - Auto
- Built-in PoE
- No blind spot in 360° panorama view
- Digital PTZ function: Support to monitor multi positions and angles at the same time
- X8 best performance for digital zoom in/zoom out function
- Support audio out
- Support iPhone & Android App
- Support NetFLOW

IP66 · H.264 · D-WDR

MPIX-21MP3X

Full HD Network Mini PTZ Dome Camera



Full HD 1080p · PoE · ONVIF PROFILE S · MPIX

FREE 64 Camera NetFLOW Software Included

1. Normal 2. D-WDR

- Sony 1/3" Exmor CMOS High definition sensor
- 2.1Mp Full HD 3x Network PTZ Dome Camera
- 3X Optical and 16X Digital zoom
- H.264 & MJPEG dual-stream encoding
- Lens - 3.0mm ~ 9.0mm
- Max 80 °/s P&T speed, 0° ~355°pan rotation
- Built-in 2/1 alarm in/out
- Max 25/30fps@1080p resolution
- D-WDR, Day/Night(ICR), DNR (2D&3D), Auto iris,
- Auto focus, AWB, AGC,BLC
- Built-in Web viewer and CMS
- Up to 255 presets, 5 auto scan, 8 tour, 5 pattern
- Micro SD memory, IP66, IK10, PoE

PTZ
Pan/Tilt/Zoom
with Mounting Bracket

IP66 · H.264 · D-WDR · DNR

NetFLOW

FREE

POWERFUL 64 CH NETWORK VIDEO RECORDING SOFTWARE NOW INCLUDED WITH EVERY MPIX CAMERA

Live View

Intelligent Search

Web View

Download 30 day software trial at www.watchnetinc.com

- On edge recording
- ONVIF Conformance
- Dual monitor support
- IE Support
- Digital PTZ & Joystick control
- Duplicate camera
- HDD Load balance
- Easy navigation GUI
- Multiple language support
- 64 CH 4 site CMS
- E-map - 4 layers
- Backup

XHD Camera Features

XHD HD-SDI (Serial Digital Interface Camera)

Capturing, viewing and recording of high definition images is now possible with Watch*NET* new HD SDI technology uncompressed and non-packetized Full HD (1080P) video can be over analogue cabling. One of the main benefits of HD-SDI technology is using existing RG59 cable with zero loss of image data and zero latency when viewing and recording HD images. Most technologically advanced features are built in to the DSP to enhance image quality.

The maximum transmission distance between the Camera and Watch*NET* SDI Recorders is 100 meters, this can be increased to 200 meters or more using low loss cable and SDI repeater. (WHD-R300)

Watch*NET* offers a complete HD-SDI solution with 4 ,8 and 16 Channel SDI recorders and Servers with TRIBRID technology (Analog, IP, and SDI) are also available. Free technical support, design build assistance and the best warranty makes installation easy.

HD (High Definition) Surveillance

XDD Cameras gives full HD uncompressed video much superb than analog video signal over coax cable.

SVGA 800x600

2.1M 1920(H)x1080(V)

Fog Enhancer Video

HD-SDI Image Enhancer source of the software can be activated. HD-SDI Image Enhancer improves the clarity of images taken in poor conditions such as fog, smoke, rain or snow. Applied to live or recorded color video, it delivers real-time results and displays visual details that would otherwise have been difficult to see.

Conventional Camera Fog Video

Fog Enhancer Video

ACCE (Adaptive Color & Contrast Enhancement)

ACCE is a technological advancement of XHD camera once enabled the camera will self adjust to the best picture quality by creating a perfect balance between contrast and color thus improves the clarity and natural color reproduction.

Digital Zoom and PIP

Up to x64 bi-cubic linear digital zoom and PIP using image enhancement technology.

DNR (Digital Noise reduction)

Watch*NET* DNR technology utilizes both an adaptive 2D filter reducing noise in the brightness of the image and an adaptive 3D filter reducing noise caused by movement. The result is that HD-SDI camera supports Motion Adaptive DNR function that removes noise and greatly reduce motion blur.

3D-DNR OFF

3D-DNR ON

Progressive Scan Camera

HD-SDI camera progressive scan technology allows for the capture of noiseless, high quality video of moving subjects. Video signals are generated using horizontal lines. An interlaced picture draws every other line and alternates between drawing odd lines and even lines. A progressive scan picture draws every line is sequence. Therefore, a progressive scan video sends twice as much data than an interlaced signal each time it draws an image on the screen.

Conventional Interlaced Scan Camera

Progressive Scan Camera

HLC (High Light Compensation)

High Light Compensation is especially effective for reading car number plates at night time. Users can select and define the required observation area for the target object and ignore strong highlight areas.

HLC OFF

HLC ON

XHD SDI 1080P Cameras

XHD-DV-IR

Megapixel - HD-SDI Indoor Camera

XHD

Optional Mounting Brackets:
BRACK-WH-DOME / BRACK-BL-DOME

- 1/3" 2.1 Megapixel CMOS 1080P@30fps
- DNR(Digital Noise Reduction)
- ACCE (Adaptive Color & Contrast Enhancement)
- True Day / Night with ICR
- IR LEDs 28pcs
- Full OSD Operation 3-Axis mount
- 0.000001Lux (IR LED On)
- Dual voltage AC 24V / DC 12V
- Auto Iris Vari-focal Lens (2.8mm ~ 10mm)
- Video over coax
- Low light enhancement technology

1. Normal

2. D-WDR

1.Normal IR

2.Smart IR

XHD-VDV-IR

Megapixel - HD-SDI Vandal Proof Dome

XHD

Camera Mounting
Back Box Included

Optional Mounting Brackets:
BRACK-XDD-WALL / BRACK-XDD-PEND

- 1/3" 2.1 Megapixel CMOS 1080P@30fps
- Defog
  (Visibility enhancement on the low contrast scene)
- IP 66 Rated, New 90° Mounting Mechanism
- No noise, ghosting effect with DNR
- ACCE (Adaptive Color & Contrast Enhancement)
- IR LEDs 28pcs / 0.000001Lux (IR LED On)
- Full OSD Operation 3-Axis mount
- Dual voltage AC 24V / DC 12V
- Auto Iris Vari-focal Lens (2.8mm ~ 10mm)
- Video over coax
- Flicker suppression

1. Normal

2. D-WDR

1.Normal IR

2.Smart IR

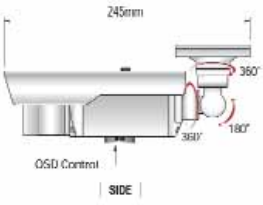
XHD-B-IR

Megapixel - HD-SDI Bullet Camera

Junction Mount
BRACK-BI-JN

Corner Mount
BRACK-BI-CM

Pole Mount
BRACK-BI-PM



XHD

- 1/3" 2.1 Megapixel CMOS 1080P@30fps
- Video over coax
- DNR(Digital Noise Reduction)
- ACCE (Adaptive Color & Contrast Enhancement)
- EIS - Electronic Image Stabilization
- True Day / Night with ICR
- Full OSD Operation 3-Axis mount
- 0.000001Lux (IR LED On)
- Dual voltage AC 24V / DC 12V
- 42 IR LEDS (Smart IR)

1. Normal

2. D-WDR

1.Normal IR

2.Smart IR

HD SDI DVR

ESDI-04-1T, 2T / ESDI-08-2T

4 and 8 CH HD-SDI 1080P 2U Standalone DVR

MAC OS Compatible

All Watch*NET* DVRs support smart phone viewing

- 4 and 8 Ch HD-SDI video 1080p real time live view
- H.264 dual-stream video compression
- DVR ESDI 04: Max 100/120fps@1080p
- DVR ESDI 08: Max 200/240fps@1080p
- HDMI / VGA / TV simultaneous video output
- 4/8 channel synchronized real time playback
- GRID interface & smart search
- 3D intelligent positioning with PTZ camera
- Support 2 SATA HDDs up to 8TB on ESDI-04
- Support 4 SATA HDDs up to 16TB on ESDI-08
- Multiple network monitoring: Built-in web server & Multifunction CMS
- Instant Search
- Instant Record to USB
- Compatible with most SDI Cameras

ESDI-16-2T

16 CH HD-SDI 1080P 2U Standalone DVR

MAC OS Compatible

All Watch*NET* DVRs support smart phone viewing

- 16 Ch HD-SDI video 1080p real time live view
- H.264 dual-stream video compression
- DVR ESDI 16: Max 200/240fps@1080p
- HDMI / VGA / TV simultaneous video output
- 4, 8 & 16 channel synchronized real time playback
- GRID interface & smart search
- 3D intelligent positioning with PTZ camera
- Support 8 SATA HDDs up to 32TB*, 1 eSATA up to 16TB, 4 USB2.0
- Multiple network monitoring: Built-in web server & Multifunction CMS
- Instant Search
- Instant Record to USB
- Compatible with most SDI Cameras

PCSDI-08-2T / PCSDI-12-2T / PCSDI-16-2T

NetFLOW HD SDI Recording Server

Compatible with most HD SDI Cameras

Fully integrated with Watch*NET* MPIX line of cameras

Model PCSDI-08-2T / PCSDI-12-2T
- 8 / 12 CH PC SDI Servers with 2TB HDD with Core I-5 Processor with 8GB Ram enclose in a 6 Bay 4U Rack
- 8 Real time Display and Recording 240(200)fps@1080p
- 12 Real time Display and Recording 360(300)fps@1080p

Model PCSDI-16-2T
- 16 PC Based SDI Servers with 2TB HDD Core I-7 Processor with 8GB Ram enclose in a 6 Bay 4U Rack
- Real time Display 480(400)fps@1080p / Recording Rate 480(400)fps@1080p

- Hardware Compression H.264
- Real time Recording Rate 240(200) / 360(300) fps@1080p
- Failover Recording Server Support
- Built-in web server, H.264 compression format
- Manual and Schedule backup support
- POS, I/O device, LPR and access control integration (add-on)
- Software watchdog
- Supports iPhone, iPad and Android clients
- Remote smart playback system with 5 video analytics searches

Analog DVRs

EX-12004RTHR-1T, 2T / EX-24008RTHR-1T, 2T / EX-48016RTHR-1T

High Resolution Real time D1 DVR (2U)

Full HD 1080p

- Auto port forwarding (UPNP) for routers
- Industrial Hi performance with HDMI output and eSATA Port, PTZ Cameras POINT TO ZOOM up to 60 protocols supported
- 4, 8 and 16 channel simultaneous real time playback
- Video Output - 1X Composite video, 1X VGA, 1X HDMI, 1X Matrix
- Alarm triggering, OSD, siren, PTZ preset, e-mail, FTP upload
- Enhanced H.264 compression algorithm saves HDD space & low bandwidth

Powerful Dual Core Processor
Full HD Independent upscaling feature

MPIX IP Cameras can be added when upgraded with hybrid license (EX-HIP)

E-12004RTSH-KIT / E-24008RTSH-KIT / E-48016RTSH-KIT / E-48016RTSH-KIT, 2T

High Resolution Real time DVR (1.5U)

Full HD 1080p

- Support 4 HDD internally to a max of 12TB
- Auto port forwarding (UPNP) for routers
- Industrial Hi performance with HDMI output and eSATA Port, PTZ Cameras POINT TO ZOOM up to 60 protocols supported
- 4, 8, 16 channel simultaneous real time playback
- Video Output - 1X Composite video, 1X VGA, 1X HDMI, 1X Matrix
- Alarm triggering, OSD, siren, PTZ preset, e-mail, FTP upload

BlackBerry iPhone Android Windows

MAC OS Compatible

All Watch*NET* DVRs support smart phone viewing

E-96032RTD1-2T

32Ch D1 Real time DVR (2U)

Full HD 1080p

- Support 8 HDD internally to a max of 24TB
- Auto port forwarding (UPNP) for routers
- Industrial Hi performance with HDMI output and eSATA Port, PTZ Cameras POINT TO ZOOM up to 60 protocols supported
- 4, 8, 16 channel simultaneous real time playback
- Video Output - 1X Composite video, 1X VGA, 1X HDMI, 1X Matrix
- Alarm triggering, OSD, siren, PTZ preset, e-mail, FTP upload
- Supports Black Berry, iPhone, iPad, Android, Windows Phone
- DVD / USB back-up

Powerful Dual Core Processor
Full HD Independent upscaling feature

ES-12004RTS-KIT, 1T / ES-24008RTS-KIT, 2T / ES-48016RTS-KIT, 2T

Slim Line Real Time DVR (1U)

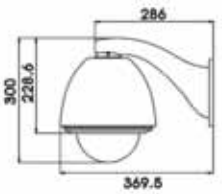
Full HD 1080p

- Auto port forwarding (UPNP) for routers
- Industrial Hi performance with HDMI output 1080P
- PTZ Cameras POINT TO ZOOM for motion tracking
- 4, 8, 16 channel simultaneous real time playback
- Video Output - 1X Composite video, 1X VGA, 1X HDMI
- Alarm triggering, OSD, siren, PTZ preset, e-mail, FTP upload
- Enhanced H.264 compression algorithm saves HDD space & low bandwidth
- Supports Black Berry, iPhone, iPad, Android, Windows Phone

MegaPixel PTZ Cameras

MPIX-21MP

2.1Mp CMOS Full HD PTZ Dome Camera



FREE
64 Camera
NetFLOW
Software Included

- 2.1 Megapixel Exmor CMOS image sensor
- 5 Pattern, 8 Tour, Auto Pan, Auto Scan
- 4.7mm ~ 94.0mm (20x Optical zoom)
- BLC / HLC / D-WDR (Digital WDR) and DNR
- Day/Night(ICR), DNR (2D&3D)
- Auto iris, Auto focus
- AWB, AGC,BLC
- ONVIF Ver. 2.0 ready
- Dual stream IPv4/IPv6, HTTP, HTTPS
- Multiple analytic functions
- Built-in heater / blower
- Micro SD memory, IP67, easy installation
- iPhone, iPad, Android, Windows Phone support

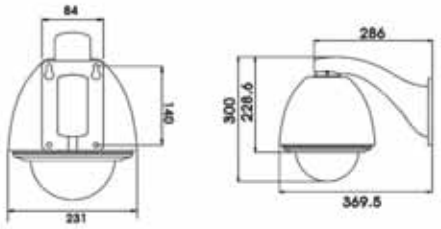
IP67 | H.264 | D-WDR | DNR

Full HD 1080p | ONVIF | mPIX

INTELLIGENT AUTO TRACKING NETWORK CAMERA

MPIX-21MPI

2.1Mp CMOS Full HD PTZ Dome Camera



- 2.1 Megapixel Exmor CMOS image sensor
- INTELLIGENT FUNCTION
- 5 Pattern, 8 Tour, Auto Pan, Auto Scan
- 4.7mm ~ 94.0mm (20x Optical zoom)
- BLC / HLC / D-WDR (Digital WDR) and DNR
- Day/Night(ICR), DNR (2D&3D)
- Auto iris, Auto focus
- AWB, AGC,BLC
- ONVIF Ver. 2.0 ready
- Dual stream IPv4/IPv6, HTTP, HTTPS
- Multiple analytic functions
- Built-in heater / blower
- Micro SD memory, IP67, easy installation

Full HD 1080p | ONVIF | mPIX

IP67 | H.264 | D-WDR | DNR

Watch*NET* Intelligent MegaPixel PTZ supports multiple analytic functions and auto tracking.

- Tripwire
- Cross Warning Zone
- Perimeter Protection,
- Loitering Detection

FREE
64 Camera
NetFLOW
Software Included

BlackBerry | iPhone | Android | Windows

MAC OS Compatible

Intelligent Functions

• Virtual Fence with PTZ Tracking

• Missing Object

• Foreign Object

• In/Out Counting

• Motion Tracking

Analog/IP PTZ Cameras

WPT-27SH

Outdoor Day / Night PTZ

Indoor IP PTZ model
WPTI-27SH-IP

The NEW PTZ Camera
with 5 time schedule flexible to suit your security needs

Morning Preset Scan
7 am to 9 am

Tour Presets
9 am to 11 am

Run Pattern
11 am to 4 pm

Scan Specific Areas
4 pm to 6 pm

Zoom & Park to Monitor
Preset Area
6 pm to 7 am

- 600TVL Resolution Samsung module
- Hot swappable quick disconnect module
- Built-in heater / blower
- OSD Menu keyboard / DVR operated
- 128 Presets, and 5 Tour patterns
- Alarm input / outputs
- 27X Optical zoom with Privacy masking
- Auto resume on power up
- Multi-protocol with RS 485 / 422
- Electronic FLIP and 360° continues spin

WPT-26EX / WPT-36EXD

Outdoor Day / Night PTZ

Indoor IP PTZ model
WPTI-26EXD-IP / WPTI-36 EXD-IP

The NEW PTZ Camera
with 5 time schedule flexible to suit your security needs

Morning Preset Scan
7 am to 9 am

Tour Presets
9 am to 11 am

Run Pattern
11 am to 4 pm

Scan Specific Areas
4 pm to 6 pm

Zoom & Park to Monitor
Preset Area
6 pm to 7 am

- SONY day and night module
- 26X/36X Optical and X12 Digital zoom
- Hot swappable quick disconnect module
- Built in heater / blower
- OSD Menu keyboard / DVR operated
- 128 Presets, and 5 Tour patterns
- Alarm input / outputs
- Auto resume on power up
- Multi-protocol with RS 485 /422
- Electronic FLIP and 360° continues spin
- WDR function available on WPT-36EXD only

WPT-36EXD-IP

High Resolution IP PTZ Camera

SPECIAL ORDER

Built-in IP

FREE
64 Camera
NetFLOW
Software Included

Vandal proof housing is available

- 540TVL Resolution
- Wide Dynamic Range
- Supports Private, Dynamic, Global, Static IP
- Up to 30 FPS @ D1 Resolution
- Auto ICR (IR Cut-filter Removal) Mode
- 8 Zone Privacy Masking, 80/128 presets
- Motion detection: Region and sensitivity
- Alarm inputs/outputs, Built-in Web Viewer
- SMART Lens Control
- Picture Freeze Function
- Anti-loss Buffered Remote Recording

PTZ Cameras

WPTM-500-10X

Indoor / Outdoor Mini PTZ Dome

- Optical 10X Zoom
- Resolutions: 540TVL/570TVL(B/W)
  Min. Illumination: color 0.015Lux,
- Pan 360°continuously, Tilt 90° rotation
  with auto-flip,humanize focus and speed
- 128 presets, 4 tour, 8 programmable zones;
- Built-in OSD menu & TVS1500V lightning-proof
- Water resistant Housing
- RS485 / 422 Control

WPT-36 IR EXD

Outdoor IR Hi Speed PTZ

- High output design optimized for long distance view
- Infrared night vision (100 Meter IR Range)
- Alarm and Park action Function
- Image Stabilizer Function, 540TVL
- Display function of Pan/tilt position & zoom in/out
- Privacy masking zone
- Built-in TVS4000V lightening/surge protection
- Built-in multi-protocol
- 5 time schedule
- Available mounting bracket

WPT-I-54036 EXD

Outdoor Hi Speed PTZ

- Double barrel design optimized for long distance
- Infrared night vision (100 Meter IR Range)
- Alarm and Park action Function
- Image Stabilizer Function, 540TVL
- Display function of Pan/tilt position & zoom in/out
- Privacy masking zone
- Built-in TVS4000V lightening/surge protection
- Built-in multi-protocol
- 5 time schedule
- Available mounting bracket
  (Brack-WPTI)

PTZ Accessories

KBD-803D

3 Dimensional PTZ Controller

- 3D Joystick for Simple Manual Operation
- RS485 Bus Line connect to 32 domes at once
- Large LCD Screen
- Compatible with multiple PTZ Protocol
- Controls the Iris, Focus and Zoom as well as 128 presets, tour, scan and patterns
- Support PELCO matrix
- Support 4 keyboards linkage, each keyboard can support 32 domes at most

KBD-950NET

Network PTZ Keyboard

- One keyboard can control multiple PTZ/DVRs
- Support full PTZ menu operation
- Support RS485 port and RS232 port
- 3D joystick control
- E Series DVR control
- Lock keyboard to prevent unauthorized use
- Support multiple-level operation rights
- Sleek and stylish design

COAXITRON

Coaxitron Converter

- Converts RS485 to Coaxitron
- Coaxitron is a proprietary protocol
- It operates over coaxial cable
- It sends messages to devices in the form of a 4-byte code

WSDI-R300

HD SDI repeater

- WSDI-R300 Repeaters is a HD SDI repeater for transmission distance extension
- The transmission distance is easily extended 300ft per each box
- Each unit receives a HD-CCTV signal that may be attenuated by up to 100m of coax cable

SPECIAL ORDER

Brack-Corner

PTZ Corner Mount Bracket

- This bracket can be used when installing PTZ cameras on building corners
- High quality Die cast aluminum
- Corrosion proof
- Easy installation

Brack-PTZ-Pole

Pole Mount Bracket for PTZ

- This adapter is ideal for installation on masts with a diameter between 3" and 8.5"
- Two stainless steel tightening rings are included
- High Die cast aluminum
- Corrosion Proof
- Easy Installation

BRACK-PEND-09

Pendant Mount Bracket for PTZ

- 9' PTZ Pendant-mount bracket
- High Die cast aluminum
- Corrosion Proof
- Easy Installation

Brack-10X-Pend

Pendant Mount Bracket for PTZ

- Made for WPTM-500-10x PTZ
- 7" Pendant Mount Bracket
- High Die Cast Aluminum
- Corrosion Proof
- Easy Installation

XHR Camera Features

XHR 960H Smart Camera

Watch*NET* brings SONY corporations lead in digitization of video signal processing in technologically advanced XHR range of camera lineup.

This Next generation 700TVL (960H) provides clearer pictures with higher sensitivity compared to conventional CCTV cameras.

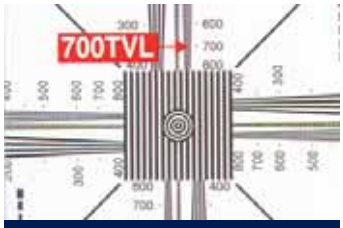
XHR technologically enhanced cameras come in many different models to suit all installations.

Watch*NET* offers the EH Series recorders that can capture and record images in real-time 960H resolution 976(H) × 582(V)

- Sony Effio 1/3" 960H Exview HAD II CCD, 700 TVL
- Adaptive Contrast Enhancement (ACE) view clear images with variable lighting conditions
- Exterior dome camera, 2.8mm ~ 12mm Lens
- 0.0001 Lux Illumination
- A3D-DNR (Advanced 3D - Digital noise reduction with "no ghost" effect)
- EIS (Electronic Image Stabilization) keeps the image stable eliminating unwanted recordings on DVR
- 90⁰ Viewing Tri-Axis Mount
- Auto White Balance (AWB) / Auto BLC
- DC 12V/24AC dual voltage
- SENSEFIER III Low light enhancement technology
- Built-in heater for extreme low temperature

700 TV Lines

The combination of a Sony Super HAD CCD image sensor and Effio DSP provides an excellent resolution of 700 TV Lines.



700TVL

Resolution Test Chart

3D Filtering Method of Newly DNR Function

Newly developed 3D filtering enhances Digital Noise Reduction at low light level. 3D filtering of the video signal optimizes the signal to noise ratio, giving vastly improved low light visibility and a powerful Sens-Up function.

3D-DNR OFF

3D-DNR ON

WDR (Wide Dynamic Range)

WDR is a powerful and ultra-advanced technology that captures cleaner and superior high resolution pictures even where images appear dark because there is a strong back light present.

WDR OFF

WDR ON

High Color Reproduction

Color reproduction of other camera looks flashy. The "A" portion should be actually yellow and red, however, it washes out due to the white saturation. In addition, the amount of aperture signal is large, making the edges worse. Even if the aperture level drops, the images become blurry.

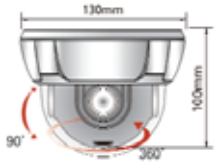
Conventional Camera

XHR Camera

XHR 960H Smart Cameras

XHR 960H-DV-W / XHR 960H-DVW-W

Interior Dome Cameras



XHR

Optional Mounting Brackets:
BRACK-WH-DOME / BRACK-BL-DOME

1. Normal

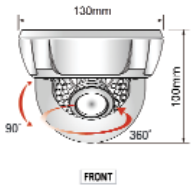
2. WDR

- Sony 1/3" 960H Exview HAD II CCD
- 700 TVL
- Interior dome camera, 2.8mm ~ 12mm Lens
- 0.0003 Lux (Sens-Up*256x) Illumination
- Vari-focal IR cut filter auto iris lens
- 90⁰ Viewing Tri-Axis Mount
- Auto AWB / Auto BLC
- DC 12V/24AC dual voltage
- EIS - Electronic Image Stabilization
- ACE - Adaptive Contrast Enhancement
- WDR - Wide dynamic range

Day and Night | 700 TVL High Resolution | DNR Digital Noise Reduction | OSD | WDR Wide Dynamic Range | Color

XHR 960H-DV-IR-W / XHR 960H-DVW-IR-W

Interior IR Dome Cameras



XHR

Optional Mounting Brackets:
BRACK-WH-DOME / BRACK-BL-DOME

1. Normal

2. WDR

1.Normal IR

2.Smart IR

- Sony 1/3" 960H Exview HAD II CCD
- 700 TVL
- Interior dome camera, 2.8mm ~ 12mm Lens
- 0.0003 Lux (Sens-Up*256x) Illumination
- Vari-focal IR cut filter auto iris lens
- 90⁰ Viewing Tri-Axis Mount
- Auto AWB / Auto BLC
- DC 12V/24AC dual voltage
- 28 IR LEDS (Smart IR)
- WDR (Wide dynamic range)
- EIS - Electronic Image Stabilization
- ACE - Adaptive Contrast Enhancement
- WDR - Wide dynamic range

Day and Night | 700 TVL High Resolution | DNR Digital Noise Reduction | OSD | WDR Wide Dynamic Range | Ultra Red

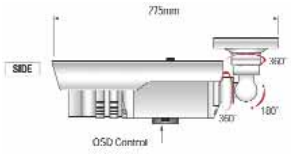
XHR 960H-BIMR / XHR 960H-BILR

Medium & Long Range Bullet Cameras

Junction Mount
BRACK-BI-JN

Corner Mount
BRACK-BI-CM

Pole Mount
BRACK-BI-PM



XHR

1. Normal

2. WDR

1.Normal IR

2.Smart IR

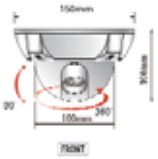
- Sony 1/3" 960H Exview HAD II CCD
- Bullet style IP66 weather proof housing
- 0.0003 Lux / IR LED ON: 0.00003Lux
- Vari-focal IR cut filter auto iris lens
- 90⁰ Viewing Tri-Axis Mount
- Auto AWB / Auto BLC
- 3.5mm ~ 16mm Lens (XHR-960H BIMR)
  5mm ~ 50mm Lens (XHR-960H BILR)
- DC 12V/24AC dual voltage
- EIS - Electronic Image Stabilization
- ACE - Adaptive Contrast Enhancement
- 42 IR LEDS (Smart IR)

IP66 | 700 TVL High Resolution | DNR Digital Noise Reduction | OSD | WDR Wide Dynamic Range | Ultra Red

XHR 960H Smart Cameras

XHR 960H VDV-W

Exterior Vandal Dome Camera



Optional Mounting Brackets:
BRACK-XDD-WALL / BRACK-XDD-PEND

Camera Mounting
Back Box Included

- Sony 1/3" 960H Exview HAD II CCD
- 700 TVL
- Vandal proof IP66 dome camera
- 0.0003 Lux (Sens-Up*256x) Illumination
- Vari-focal IR cut filter auto iris lens
- 90⁰ Viewing Tri-Axis Mount
- Auto AWB / Auto BLC, 2.8mm ~ 12mm Lens
- DC 12V/24AC dual voltage
- EIS - Electronic Image Stabilization
- ACE - Adaptive Contrast Enhancement

1. Normal

2. WDR

XHR 960H VDV-IR-W

Exterior Vandal IR Dome Camera

Camera Mounting
Back Box Included

Optional Mounting Brackets:
BRACK-XDD-WALL / BRACK-XDD-PEND

- Sony 1/3" 960H Exview HAD II CCD
- 700 TVL
- Vandal proof IP66 dome camera
- 0.0003 Lux (Sens-Up*256x) Illumination
- Vari-focal IR cut filter auto iris lens
- 90⁰ Viewing Tri-Axis Mount
- Auto AWB / Auto BLC, 2.8mm ~ 12mm Lens
- DC 12V/24AC dual voltage
- 28 IR LEDS (Smart IR)
- EIS - Electronic Image Stabilization
- ACE - Adaptive Contrast Enhancement

1. Normal

2. WDR

1.Normal IR

2.Smart IR

XHR 960H-SBC*

True Day & Night Box Camera

**Lens not included*

- Sony 1/3" 960H Exview HAD II CCD
- 700 TVL
- True Day & Night with ICR
- Full menu control by OSD
- 0.0003 Lux (Sens-Up*256x) Illumination
- Vari-focal IR cut filter auto iris lens
- True Day & Night with ICR-Option
- Auto AWB / Auto BLC
- DC 12V/24VAC dual voltage
- A3D DNR (Advanced 3D Digital Noise Reduction)
- EIS - Electronic Image Stabilization
- ACE - Adaptive Contrast Enhancement

1. Normal

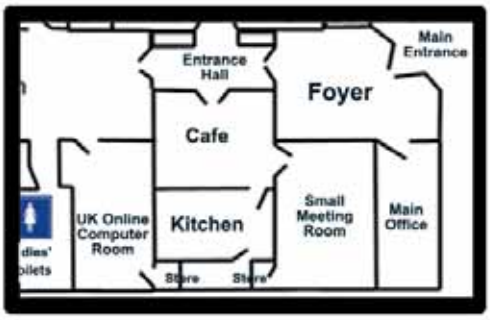
2. WDR

Available housing
with heater & blower
SOH BC

HD CMS

HD CMS

VIRTUAL MATRIX



E-MAP

HD CMS is a powerful management software for all embedded Watch*NET* Analog, Hybrid, HD-SDI, NVR and New 960h Analog DVRs

- Support Megapixel, IP cameras & video servers
- PTZ reaction presets & distance operations
- Digital PTZ & Multi-dynamics viewer
- Multi Monitor Display of 128 channels
- Smart detection of different events
- Audio visual event annunciation
- I/O Devices Integration
- Compatible with keyboard/joystick
- Friendly Graphic User Interface
- Multi layer E-Map
- Redundant Network Recording
- Remote search and configuration of DVRs
- Multifunctional playback system with instant search
- Virtual Matrix

XDD III Camera Features

XDD III Smart-IR DSP

Smart-IR DSP is the 5th Generation core chipset actualizing 600 TVL ultra high resolution! Watch*NET* "Smart IR" camera makes very sharp video image in darkness! This technology eliminates saturation of video image of the closer object in darkness by control of the IR sensitivity. Saturation never happens in XDDIII "Smart IR" cameras, see clear vivid color image in candle light brightness.

600 TV Lines

The combination of a Sony Super HAD CCD image sensor and Smart-IR DSP provides an excellent resolution of 600 TV Lines.

Conventional Camera

Smart-IR Camera

HSBLC (Highlight Suppression Back Light Compensation)

Adaptive Luminance Control AE will darken selected highlights and brighten dark portions. In the picture, the number on the car plate can be seen clearly. (White Gray Black)

Normal

HSBLC

Smart-IR

No saturation Image, Vivid Image in darkness. Watch*NET* "Smart-IR" camera makes very sharp video image in darkness! This technology eliminates saturation of video image of the closer object in darkness by control of the IR sensitivity. Saturation is controlled automatically and IR can be targeted on field of you for customized lumination.

Smart-IR OFF

Smart-IR ON

Low Illumination

With an incredibly minimum illumination of amazing 0.00002Lux can capture good images even in extremely low light conditions and related noises are significantly reduced by the ultra advanced DNR (Digital Noise Reduction) technology.

Conventional Image

Minimum Illumination image

SENSEFIER III

3D Filtering Method of Newly Advanced DNR Function

Newly developed 3D filtering enhances Digital Noise Reduction at low light levels. 3D Filtering of the video signal optimizes the signal to noise ratio, giving vastly improved low light visibility and a powerful Sens-Up function.

3D-DNR OFF

3D-DNR ON

Low Illumination

Depending on lightning, the camera automatically switches to color, in bright conditions and mono-chrome in light conditions to give perfect 24 hour surveillance.

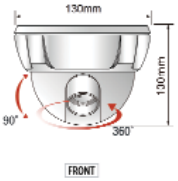
Day

Night

XDD III Cameras

XDD III - DV-B / DV-W

High Resolution Interior Dome Camera



XDD III

Optional Mounting Brackets:
BRACK-WH-DOME / BRACK-BL-DOME

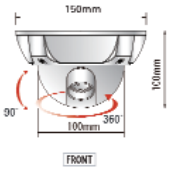
1. Normal

2. D-WDR

- Sony 1/3" Super HAD CCD
- Next Generation DNR
- 600 TV Lines (Color), 680 TV Lines (B&W)
- 0.00001Lux (Sens-Up*256x)
- Vari-focal IR cut auto iris lens
- Auto AWB / Auto BLC
- Digital WDR by Pixel Control
- Flush / surface mount design
- Privacy Masking of 8 areas
- Easy OSD Controlled Menu
- 2.8 mm ~ 12 mm fish eye/tele lens
- SENSEFIER III low light enhancement

XDD III - VDV-B / VDV-W

High Resolution Vandal Dome Camera



XDD III

Optional Mounting Brackets:
BRACK-XDD-WALL / BRACK-XDD-PEND

Camera Mounting
Back Box Included

1. Normal

2. D-WDR

- Sony 1/3" Super HAD CCD
- Next Generation DNR
- 600 TV Lines (Color), 680 TV Lines (B&W)
- 0.00001Lux (Sens-Up*256x)
- Vari-focal IR cut auto iris lens
- Vandal Proof IP66 Outdoor dome
- Auto AWB / Auto BLC
- Digital WDR by Pixel Control
- Built-in thermostat & Heater (-35°C ~ +50°C)
- Privacy Masking of 8 areas
- Easy OSD Controlled Menu
- 2.8 mm ~ 12 mm fish eye/tele lens
- SENSEFIER III low light enhancement

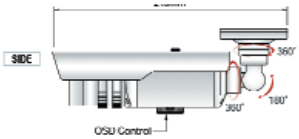
XDD III - BIMR / XDD III - BILR

Medium / Long Range IR Camera

Junction Mount
BRACK-BI-JN

Corner Mount
BRACK-BI-CM

Pole Mount
BRACK-BI-PM



XDD III

- 600 TV Lines Horizontal Resolution
- Sony 1/3" Super HAD II CCD
- Next Generation 3D DNR
- Max.Sense-UP (x258)
- DC Auto iris Vari-focal lens
- True Day/Night Capability
- 3.5mm ~ 16mm Lens(BIMR)
  5mm ~ 50mm Lens (BILR)
- IP 66 Weather Proof Housing
- 3D DNR (Digital Noise Reduction)
- SENSEFIER III low light enhancement

1. Normal

2. D-WDR

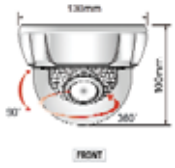
1.Normal IR

2.Smart IR

XDD III Cameras

XDD III - DV-IR-B / DV-IR-W

Interior Day & Night Smart IR Dome Camera



XDD III

Optional Mounting Brackets:
BRACK-WH-DOME / BRACK-BL-DOME

1. Normal

2. D-WDR

1.Normal IR

2.Smart IR

- Sony 1/3" Super HAD CCD
- Next Generation DNR
- 600 TV Lines (Color), 680 TV Lines (B&W)
- IR LED ON:0.00006Lux (Sens-Up*256x)
- Vari-focal IR cut auto iris lens
- Auto AWB / Auto BLC
- Digital WDR by Pixel Control
- Smart Auto Dimming IR Technology
- Privacy Masking of 8 areas
- Easy OSD Controlled Menu
- 2.8 mm to 12 mm fish eye/tele lens
- SENSEFIER III low light enhancement

XDD III - VDV-IR-B / VDV-IR-W

Exterior Day & Night Smart IR Vandal Dome

XDD III

Camera Mounting
Back Box Included

Optional Mounting Brackets:
BRACK-XDD-WALL / BRACK-XDD-PEND

1. Normal

2. D-WDR

1.Normal IR

2.Smart IR

- Sony 1/3" Super HAD CCD
- Next Generation DNR
- 600 TV Lines (Color), 680 TV Lines (B&W)
- IR LED ON:0.00006Lux (Sens-Up*256x)
- Vari-focal IR cut auto iris lens
- Vandal Proof IP66 Outdoor dome
- Auto AWB / Auto BLC
- Digital WDR by Pixel Control
- Smart Auto Dimming IR Technology
- Privacy Masking of 8 areas
- Easy OSD Controlled Menu
- 2.8 mm to 12 mm fish eye/tele lens
- Built-in thermostat & Heater (-35°C ~ +50°C)
- SENSEFIER III low light enhancement

XDD III - SBC

Hi Resolution Day / Night Box*

Lens not included

XDD III

1. Normal

2. D-WDR

Available housing
with heater & blower
SOH BC

- 600 TV Lines Horizontal Resolution
- 1/3" Sony Super HAD II CCD
- Digital Wide Dynamic Range
- Digital Noise Reduction
- 0.00001Lux F.1.2 (Sens-up*258X)
- On/Off (4 Zone, Alarm Output)
- Privacy - On/Off (8 Zone)
- Auto Iris Lens Supported
- SENSEFIER III low light enhancement

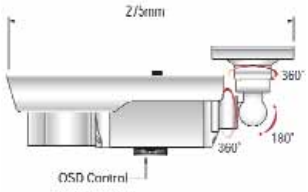
XDD III Cameras

XDD III - B-LPR

Junction Mount
BRACK-BI-JN

Corner Mount
BRACK-BI-CM

Pole Mount
BRACK-BI-PM



1. Highlight Filter OFF

2. Highlight Filter ON

XDD III

License plate recognition camera

- 620 TV Lines Horizontal Resolution
- Sony 1/3" Super HAD II CCD
- DC Auto Iris Vari-focal Lens(5mm-50mm)
- 5th Generation DSP Chip
- No Noise, Ghosting Effect with DNR
- Dual Power (AC 24V / DC 12V)
- True Day/Night Capability with ICR
- 0.01 LUX / 0.000006 Lux(IR LED ON)
- Built-in 21pcs IR
- IP 66 Weather Proof Housing
- 5mm ~ 50mm vari-focal lens
- SENSEFIER III low light enhancement

620 TVL | DNR | OSD | D-WDR

DW-NCV

1. Normal

2. WDR

Optional Mounting Brackets:
BRACK-BL-DOME

WDR True Day & Night Dome Camera

- 1/3" SONY Vertical Double Density Interline CCD
- 560 TV Lines Horizontal Resolution
- 1/3: Vertical Double Density Color CCD
- Digital Image Stabilizer DIS
- Low light Sensitivity
- 0.001 Lux (Sens-up*128x)· 0.00004Lux (Sens-up*256x)
- True day and night
- 3.5 ~ 16mm Auto iris lens
- DC 12V
- DNR - OFF/ON (1~32 Level Adjustable)

560 TVL | WDR | DNR

SW-NCN

*Lens not included

1. Normal

2. WDR

WDR
Wide Dynamic Range

WDR True Day & Night Camera*

- Ultra High Resolution
- 600TV Lines of Horizontal Resolution
- Wide Dynamic Range (WDR)
- Excellent Sensitivity
- Day & Night
- Digital Noise Reduction (DNR)
- Motion Detection
- Digital Image Stabilizer (DIS)
- Video/DC Drive Lens Support
- Controlled by OSD Menu
- RS-485 Communication Control Support

WDR | 600 TVL | DNR | OSD

EDGE Effio Camera Features

EDGE Camera

Watch*NET* brings SONY Effio technology in affordable EDGE range of camera lineup. This Next generation 700TVL (960H) provides clearer pictures with higher sensitivity compared to conventional CCTV cameras.

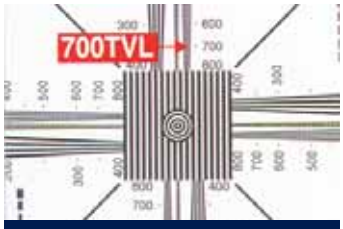
This enhanced entry level EDGE cameras comes in many different models to suit all installations.

Watch*NET* offers the Edge Series recorders in 4, 8 and 16 ch models perfect for high quality value added CCTV installations.

- Supports 960H CCD
- Horizontal Resolution of over 650TV Line
- ATR (Adaptive tone Reproduction)
- 2D Noise Reduction
- Motion Detection
- Privacy Mask
- HLC (High Light Compensation)
- OSD
- Low Power Consumption
- LFBGA Package (8mm x 8mm)

700 TV Lines

The combination of a Sony Super HAD CCD image sensor and Effio DSP provides an excellent resolution of 700 TV Lines.



700TVL

Resolution Test Chart

3D Filtering Method of Newly DNR Function

Newly developed 3D filtering enhances Digital Noise Reduction at low light level. 3D filtering of the video signal optimizes the signal to noise ratio, giving vastly improved low light visibility and a powerful Sens-Up function.

3D-DNR OFF

3D-DNR ON

ED 12004-KIT / ED 24008-KIT / ED 48016-KIT

MAC OS Compatible

Available in 4, 8 and 16 Ch Models

EDGE Value Line DVR

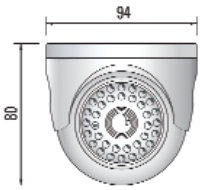
- 4, 8 & 16 CH real time 1U mini standalone DVR
- Robust Linux OS for high stability
- 4, 8 & 16 cameras with 1920×1080 Full HD display
- Advanced H.264 video compression algorithm
- Dual encoding streams for easy remote viewing
- Live, recording, playback, backup & remote access
- 4, 8 & 16 CH simultaneous smart time grid playback
- Motion Detection, Camera mask & Video loss
- Full intelligent PTZ control
- Supports 1 SATA HDD up to 3 TB
- Built-in web server & 64 CH HD CMS support

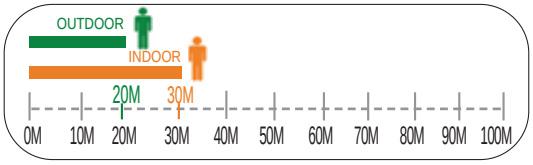
EDGE Value Line CCTV Cameras

EDGE - IRBF / IRBF(W)

Vandal Proof IR Ball Camera

Optional Mounting Brackets:
BRACK-BALL-G / BRACK-BALL-W
*Available in White & Grey



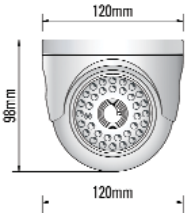


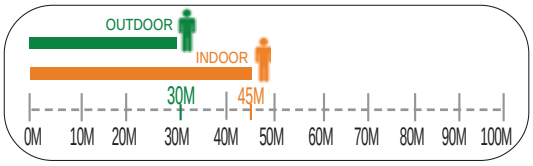
- 1/3” SONY SUPER HAD CCD
- 700TV Lines
- Vandal resistant metal body
- Hi resolution color module
- 24 infrared LEDs, 12V DC
- 360° Pan and 180° Tilt manually adjustable
- 3.8mm Fixed focus lens
- 0.001 Lux night-vision
- Dual window for no IR reflection
- CDS IR Light Auto Control
- Low power consumption green technology

EDGE - IRBV / IRBV(W)

Vandal Proof IR Ball Camera

Optional Mounting Brackets:
BRACK-BALL-G / BRACK-BALL-W
*Available in White & Grey

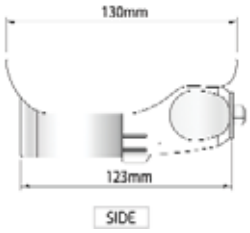


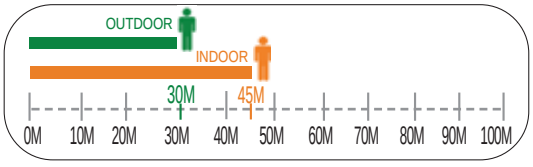


- 1/3” SONY SUPER HAD CCD
- 700TV Lines
- Armor ball dome design
- Vandal resistant metal body
- Hi resolution color module
- 36 infrared LEDs, 12V DC
- 360° Pan and 180° Tilt manually adjustable
- 3.8 to 9mm Vari-focal lens
- 0.001 Lux night-vision
- Dual window for no IR reflection
- CDS IR Light Auto Control

EDGE - BISR

Vandal Proof IR Ball Camera



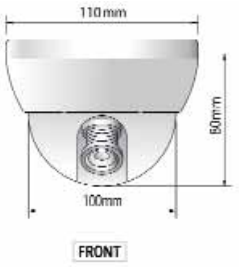


- 1/3" Sony super HAD CCD
- 700TV Lines
- DC 12V - power
- 24x 850nm IR LED
- 0.0002 Lux (IRON)
- Weather Proof
- 4 mm Fixed Lens
- Adjustable sun shield
- Bracket included

EDGE Value Line CCTV Cameras

EDGE-DF

Indoor Day / Night Dome Camera

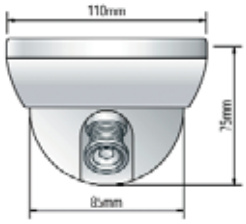


- 1/3" Sony super HAD CCD
- 700TV Lines
- DC 12V - power
- Built-in OSD
- 0.1 Lux
- Motion Detection / BLC
- Indoor Dome
- Day & Night Camera
- Fixed 3.6mm Focus Lens

Optional Mounting Brackets:
BRACK-WH-DOME

EDGE - DV

Indoor Day / Night Dome Camera



- 1/3" Sony super HAD CCD
- 700TV Lines
- DC 12V - power
- Built-in OSD
- 0.1 Lux
- Motion Detection / BLC
- Indoor Dome
- Day & Night Camera
- 2.8mm ~ 12mm Lens

Optional Mounting Brackets:
BRACK-WH-DOME

EDGE - VDV

Indoor/Outdoor Vandal Proof IP66 Dome

NEW!

- 1/3" Sony 960H CCD Vandal Dome
- 700TV Lines
- 5th Generation DSP Chip
- Effio High Resolution 700 TVL
- DC 12V - power
- DC Auto Iris Vari-focal Lens (2.8mm-12mm)
- No Noise, Ghosting Effect with DNR
- 0.01 Lux Min.Illumination
- OSD Menu / Motion Detection
- 2.8mm ~ 12mm Lens

Available back box
for easy installation
Model# Brack-BB35

Optional Mounting Brackets:
BRACK-WH-DOME

Specialty Cameras

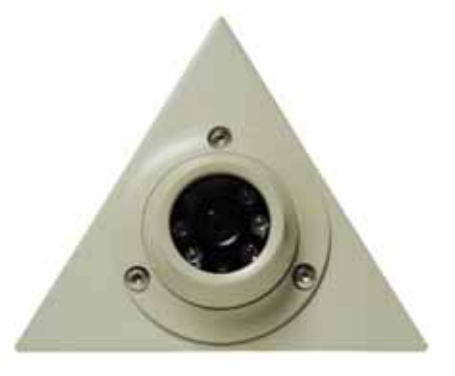
SPH-WDR

Hi Resolution WDR ATM Camera

- Hi Resolution of 690TV lines
- 0.1Lux / 50IRE / F1.2(Color), 0.01Lux / 50IRE(B/W)(Sens-Up*64x)
- Built-in 3.7mm Sharp Conic Lens
- Low Light Enhancement
- Built for ATM Surveillance
- Easy Control OSD Menu
- Digital Noise Reduction
- Flexible Mounting Bracket
- Wide Dynamic Range

WT-6250HTM

Elevator IR Camera Corner Mount



- 1/3" SONY Super HAD CCD
- 520 TVL Resolution
- 2:1 Interlaced (NTSC)
- 3.6mm fixed board lens
- BLC On (AGC off)
- Easy to install, easy to use

Special Order

SPH-PIR

Hidden CCD Camera

- 1/3" and 1/4" SONY Color CCD to provide superior images
- 550 TVL Resolution
- Min.illumination of 0.5 Lux / F2.0 (for 1/3" VVD sensor)
- Built-in pinhole lens: f.3.7 / F2.0
- S/N ratio more than 48dB (AGC off)
- Easy to install, easy to use

Special Order

Access Controllers

WAC-2D2T-ENC

Access Controller – 2 Door 2 Reader

TCP / IP

Controller/Aux Power Included
with battery charger

- Supports RS232/RS485/TCP/IP
- Cards holder capacity: 100,000
- Transactions storage: up to 270,000
- Supports output activation using PIN from Keypad Readers
- 4 Built-in Inputs & 4 Built-in Outputs
- Up to 365 holidays
- 15 Time Zones for each door
- 24 sets of Flow Control
- Local and Global Anti-Pass back
- Programmable Door Status
- 32 KB ROM / 512B SRAM
- Multiple types of Events
- Data can be kept for 180 days without power

WAC-4D4T-ENC / WAC-4D8T-ENC

Access Controller – 4 Door / 4 & 8 Reader

TCP / IP

Controller/Aux Power Included
with battery charger

- Cards holder capacity: 100,000
- Transactions storage: up to 270,000
- Supports output activation using PIN from Keypad Readers
- Up to 365 holidays
- 24 sets of Flow Control
- Local and Global Anti-Pass back
- Programmable Door Status
- 32 KB ROM / 512B SRAM
- Multiple types of Events
- 127 controllers for each RS485
- Model WAC-4D4ENC:
  2 Built-in Inputs & 6 Built-in Outputs
- Model WAC-4D8ENC:
  4 Built-in Inputs & 8 Built-in Outputs

WAC-8D8T-ENC

Access Controller – 8 Door 8 Reader

TCP / IP

Controller/Aux Power Included
with battery charger

- Cards holder capacity: 100,000
- Transactions storage: up to 270,000
- Supports output activation using PIN from Keypad Readers
- Up to 365 holidays
- 24 sets of Flow Control
- Local and Global Anti-Pass back
- Programmable Door Status
- 32 KB ROM / 512B SRAM
- Multiple types of Events
- 6 Built-in Outputs
- 127 controllers for each RS485
- Up to 1,200 m for each RS485

WAS SOFTWARE SERIES - Watch*NET* ACCESS INTEGRATED SECURITY SYSTEMS SOFTWARE

The system set up is made relatively very easy with Watch*NET* software. The software scans the network for all installed controllers and lists them using the Search function. Auto or Manual configuration is possible on all the controllers detected online.

The operator has the choice to determine whether an Auto download or Manual download to the controllers is needed from the selectable feature of the software.

Watch*NET* Access panels can be connected either through a COM port or through an IP address. In case the controller is connected directly through the RS232 controller's output to the RS232 port of the server then search could be done on the com port. In addition to this the software also scans the additional controllers connected to the TCP/IP controllers on its RS 485 bus. However the controller dip switches need to be correctly set before the scan.

Interactive Maps provides you with an as built view of the installed system with all the detectors located in the appropriate locations on the map, right on your screen.

The programmer can design a map using a picture of the facility or a floor plan of the facility as the background. The components of the system that needs to be displayed can be chosen from the list and can be located in the appropriate locations on the map.

The pop up function ensures that in the event of an alarm the appropriate map pops up. The alarm can be acknowledged using the acknowledge button on the top and action taken can be recorded. The system also provides real time status display and control of all the devices on the map.

The system enables the operator to monitor entry of personnel on site in real time. The person's database picture along with his credentials is displayed. The latest entry is shown as a large picture while the previous three is delegated to smaller screens on the side.

This feature facilitates video verification through camera pictures as well. The system also enables specific events to pop up boxes from different areas of the screen. With this the operator is easily available to identify whether the entry is a regular entry which pops up from the right hand side bottom of the screen or an alert which can pop up from the left hand side top corner of the screen.

These features reduce stress on the operator as they don't have to stay focussed on the screen all the time monitoring the events. The colour of events as it appears on the screen can also be configured making it specific to different organizations.

Software Features:

Software in multiple languages
Choice of colors & sounds for every event
Auto or Manual Backup of the Database
Searching / Add / Delete quickly
DVR / IP Camera Video Integration
Pop up screens on specific events

Easy Icon based navigation
Auto Detection of Controllers on the network
Exporting Events
Interactive dynamic maps
Event Email Notification

Mobile Phone & Web Server Control

iPhone Android

COMING SOON

Special Application Controllers

WAE-016-ENC

Elevator Access Controller

TCP / IP

- 8 bit ARM processor, 2 Watchdogs
- 32KB ROM Process Memory
- 1024KB SRAM Data Memory
- 30,000 Cardholders, 10,000 Transactions
- Up to 128 floors
- 4 Extension Inputs, 1 Wiegand Reader
- Fire Alarm input will have all Floors Opened
- Option: TCP/IP interface (10/100 Base.T)
- RS232/RS485 interface
- Maximum Distance: 1200 meters (4000ft) using RS.485
- 127 controllers max. For 1 RS485 bus
- Support online computer polling
- Communication speed: 9600 1,1,n
- 15 Time groups for each door
- Operating Current: 200mA, Standby Current: 150mA
- Working Temperature: .40°C~70°C
- Data Memory: 512KB (protected)

WAI-016-ENC

Digital Input / Output Controller

TCP / IP

- 8 Outputs Relays (NC/NO)
- 32Bits ARM (TI)
- Comm. Speed: 19200/9600/4800
- Data transfer: Online computer polling
- Transmission Range: More than 1200 m.
- Working Temperature: -40°C~70°C
- 1 Lithium battery (10 years)
- 16 Inputs (NO)
- Built in TCP/IP, RS232/RS485 interface
- 127 Controllers maximum
- 15 Time groups for each Relay
- 12VDC or 110/220AC with PSU
- Data Memory: 512KB (protected)
- Fully Programmable by Watch*NET* Access Software

WAC-1D2T MICRO

TCP/IP Single door In & Out Controller

TCP / IP

- Supports RS485/TCP/IP
- Cards holder capacity: 30,000
- Transactions storage: up to 15,000
- Supports output activation using PIN from Keypad Readers
- 2 Built-in Inputs & 2 Built-in Outputs
- Holidays Scheduling
- 15 Time Zones for each door
- 24 sets of Flow Control
- Local and Global Anti-Pass back
- Programmable Door Status
- 32 KB ROM / 512B SRAM
- Multiple types of Events
- Buil-in lock Output and REX Input
- Custome message display
- Proximity, Mifare and HID Compatible

Proximity Readers

WAR-E10-COM — WatchNET Access slim line reader

- Range in cm - 10cm
- Output - 26/34 bit
- Indicators - Blue/Green
- Size in mm - 43 x 86 x 16
- Frequency - 125 KHz
- Voltage - 7- 12V DC
- Operating Current - <100mA
- Standby Current - <50mA
- Working Temperature - (-30°C to 65°C) (-22°F to 150°F)
- Operating Humidity - 0 to 95%
- LED Control Input - Dry Contact, N/O
- Buzzer Control Input - Dry Contact, N/O
- Weight - 100 g (0.22 lb)

WAR-E10-STB — WatchNET Access card reader

- Range in cm - 14cm
- Output - 26/34 bit
- Indicators - Blue/Green
- Size in mm - 86 x 86 x 15
- Frequency - 125 KHz
- Voltage - 7- 12V DC
- Operating Current - <100mA
- Standby Current - <50mA
- Working Temperature - (-30°C to 65°C) (-22°F to 150°F)
- Operating Humidity - 0 to 95%
- LED Control Input - Dry Contact, N/O
- Buzzer Control Input - Dry Contact, N/O
- Weight - 300 g (0.66 lb)

WAR-E10-DKP — WatchNET Access keypad reader

- Range in cm - 10cm
- Output - 26/34 bit
- Indicators - Blue/Green
- Size in mm - 126 x 95 x 25
- Frequency - 125 KHz
- Voltage - 7- 12V DC
- Operating Current - <100mA
- Standby Current - <80mA
- Working Temperature - (-30°C to 65°C) (-22°F to 150°F)
- Operating Humidity - 0 to 95%
- LED Control Input - Dry Contact, N/O
- Buzzer Control Input - Dry Contact, N/O
- Weight - 200 g (0.44 lb)

WAR-E10-DKP — WatchNET Access card reader

- Range in cm - 100cm
- Output - 26/34 bit
- Indicators - Blue/Green
- Size in mm - 86 x 86 x 15
- Frequency - 125 KHz
- Voltage - 7- 12V DC
- Operating Current - <100mA
- Standby Current - <100mA
- Working Temperature - (-35°C to 65°C) (-22°F to 150°F)
- Operating Humidity - 0 to 95%
- LED Control Input - Dry Contact, N/O
- Buzzer Control Input - Dry Contact, N/O
- Weight - 1200 g (2.64 lb)

WAR-E10-VKR — WatchNET Access vandal proof reader

- Range in cm - 10cm
- Output - 26/34 bit
- Indicators - Blue/Green
- Size in mm - 120 x 76 x 21
- Frequency - 125 KHz
- Voltage - 7- 12V DC
- Operating Current - <100mA
- Standby Current - <50mA
- Working Temperature - (-30°C to 65°C) (-22°F to 150°F)
- Operating Humidity - 0 to 95%
- LED Control Input - Dry Contact, N/O
- Buzzer Control Input - Dry Contact, N/O
- Weight - 500 g (1.10lb)

WAR HAM LRW — Long Range Wireless Reader

Long Range
4 Button Transmitter
with built-in proximity
access

- Frequency: 433 MHz
- Mounting: USA/EU wall box or flat surface
- Dimensions (H x W x D):6.3 x 3.4 x 2.3" (160 x 82.4 x 58.4 mm)
- Transmission:Rolling code + encryption
- Weight: 9.3 oz. (289g)
- Voltage: +8 - 24 VDC
- Current Draw: 80 mA typical @ 12VDC
- Read Range: Up to 150 feet (46 m), Installer adjustable
- Cabling: 24 AWG min, multi-conductor stranded with an overall foil shield
- Interface:Wiegand (26 bit standard and custom formats)
- Operating Temp.: -40° F to 149° F (-40° C to +65° C)
- Audio Tone: Beeper Standard
- Installation:Indoor & Outdoor (IP65)

BIO PAZZ
Biometric

WAB BEM FCR — Biometric Access with Card Reader

- Elegantly designed compact unit that can be easily installed even on a door frame
- New generation fully sealed, waterproof and dust-proof fingerprint sensor.
- BioNano core fingerprint algorithm that can take care of damaged fingerprints
- Current version of algorithm that makes it a solid platform for Time & Attendance and Access Control
- High performance and reliability
- Easy user enrollment on the unit via Enroll Card or through the BioPAZZ management software installed on a computer
- Identification method: fingerprint, card, fingerprint + card
- EM RFID, Mifare card module. Compatible with industrial standard
- Fingerprint Storage Capacity: 1000
- Communication to server via TCP/IP, RS485 and Mini USB port
- Standard Wiegand 26 bit output to connect with standard access control systems

Easy to use Time & Attendance software interface

WAB BEM FCK — Biometric Access with Card Reader & Keypad

- Sleek Industrial design with an elegant white LCD
- New generation fully sealed, waterproof and dust-proof fingerprint sensor
- BioNano core fingerprint algorithm that can take care of damaged fingerprints
- Current version of algorithm that makes it a solid platform for T & A and Access Control
- High performance and reliability
- Easy user enrollment on the unit via Enroll Card or through the BioPAZZ management software installed on a computer
- Identification method: fingerprint, card, fingerprint + card
- EM RFID, Mifare card module. Compatible with industrial standard
- Fingerprint Storage Capacity: 2000
- Standard record capacity 50000
- Communication to server via TCP/IP, RS485 and Mini USB port
- Standard Wiegand 26 bit output to connect with most access control systems
- Easy maintenance with almost 360 degree identification

WAB BER USB — USB Enrollment Reader

- New generation fully sealed, waterproof and dust-proof fingerprint sensor
- Accurate interference free image capture
- No distortion in fingerprint image
- USB connection
- Compact and portable design
- Optional card reader, blue tooth and lithium battery

WAB BER USB is a USB fingerprint reader exclusively for use with BioPAZZ and Watch*NET* Access software for fingerprint enrolment through the software from a centralized location.

This device utilizes an optical fingerprint scanner which is scratch-proof, unbreakable and durable. BioPAZZ enrolment reader utilizes blue area source (a stable light in spectrum) as background light. The generated image fully matches the real one making it accurate and interference free.

WAA WLS 485 — Wireless transmitter / receiver

- Wireless point to point / Multipoint transmitter / receiver
- Up to 1000M range under normal conditions
- Selectable 4 channels for distortion free communication
- Interfaces for RS485/232
- Active driver with optical isolation
- 3 LED status indicators
- External interface for easy connection
- Easy configuration through RS232 port (No drivers needed)
- Baud rate: +/-115,200Bps, Buffer space: 5KB
- Built-in Microprocessor controlled circuit for high stability
- Shielded metal enclosure
- Suitable for indoor / outdoor parking / access control
- Auto enrolling transmitter / receiver no set-up required
- Compatible with Watch*NET* Access Controllers

Special Order Accessories

WAA-REX-MEN

Request to exit Switch

WAA-REX

Request to exit Switch

WAA-BGU-GRN

Break Glass Unit

Electromagnetic locks

TCP IP/485 Communicator

Single Door Magnetic Lock

Aluminum U Bracket

Z/L Bracket 01

Stainless Steel U Bracket

WAA-EML-150 / 270/ 500 Series Magnetic Locks

WAA-DRC-FLL

WAA-DRC-FLS

WAA-EDB-FS

WAA-EDB-FS

Door Contact Flush Mount

Door Contact Flush Mount

Electric Drop Bolt

Electric Drop Bolt

WAC-EMC-CSH

Clamshell Cards

WAA-LWA-PTL

Transfer Loop

WAC-EMT/HIT/MIT

Keyfobs

Accessories

WNTPS - 2

Time Synchronize Server

- Ready-to-operate Secure Stratum 1 NTP Time Server
- Support for NTP and SNTP compatible clients
- Incorporates a GPS Computer Clock, tracks up to 12 satellites
- RJ-45 Ethernet interfaces 10/100 M Bit
- Includes GPS active antenna 10m (30ft)
- Includes power adapter

CCTV Tester

CCTV Tester for Video & LAN

- 2.5 inch LCD screen, 960 x 240 resolution
- 5 hours recharging time, work for 5 hours
- PTZ Control RS485
- CAT 5 tester included
- NTSC/PAL Compatible

POW-12V-1A

12V DC (1 AMP Single Transformer)

- Plug-in AC to DC power adapter provides 12VDC power up to 1.0A with center positive 2.1mm barrel connector
- Input 110-240VAC. cUL safety approved

POW-12V-3A

12V DC 3 AMP Single Transformer

- Plug-in AC to DC power adapter provides 12VDC power up to 3.0A with center positive 2.1mm barrel connector
- Input 110-240VAC. cUL safety approved

LX2-232 DATA TAP

2 Port Data Catcher for POS

- POS integration for multiple types of cash register
- Single Port Printer simulator and Data catcher for POS
- RS232 to IP conversion
- Support past true printer

POW-04

4 CH Power Supply

- 4 Individually short circuit protected outputs with auto reset
- Surge protection with indicator
- Indoor use only
- Input: 100 - 240 / 2A, 50 - 60HZ
- Output: 12VDC, 3AMP
- Regulated DC Power
- 500ma per channel output
- Can be doubled to obtain 1amp

CE FC

POW-09

9 CH Power Supply

- 9 Individually short circuit protected outputs with auto reset
- Surge protection with indicator
- Indoor use only
- Input: 100 - 240 / 2A, 50 - 60HZ
- Output: 12VDC, 5AMP
- Regulated DC Power
- 500ma per channel output
- Can be doubled to obtain 1amp

CE FC

POW-PM-09ULC

9 CH Power Supply

- 9 Individually short circuit protected outputs with auto reset
- Surge protection with indicator
- Indoor use only
- Input: 100 - 240 / 2A, 50 - 60HZ
- Output: 12VDC, 1AMP
- Regulated DC Power
- 1000ma per channel output

CE FC UL

Accessories

LENC - 2.8-12

Lens

- 2.8 mm to 12 mm CS mount lens for WatchNET's box cameras
- DC Auto Iris
- Metal Housing
- Glass optical lens

HC6101-VS

VS Video Server

- High performance DSP hardware compression
- H.264 video compression
- Dual streams
- Support variable bit rate and frame rate
- Embedded Linux OS

LENC - 5-50

Lens

- 5 mm to 50 mm CS mount lens for WatchNET's box cameras
- 1/3 inch
- DC Auto Iris
- Metal Housing
- Glass optical lens

MIC-DVR-A

Microphone

- Microphone designed with adjustable sensitivity
- Ideal for CCTV Audio
- Range up to 150 square meters
- Wall mountable

LENC - 5-100

Lens

- 5 mm to 100 mm CS mount lens for WatchNET's box cameras
- 1/3 inch
- DC Auto Iris
- Glass optical lens

Balun-17

UTP Video Transceiver

- 1 CH Passive video transceiver
- Full-motion CCTV video at distance up to 2000ft (600m)
- Male BNC allows connection directly to the camera or DVR
- Sold in pairs

Lens-B (2.5,6,8 or 12mm)

Lens

- Fixed focal Lens
- 1/3 inch 2.5mm to 12mm
- Glass optics

WT-GLI

Ground loop isolator

- Built-in Video BALUN
- Perfect to work with DVR to immunity DVR interference, for extra interference rejection

Brackets

Brack-Dome (WH/BL) — Interior Dome Bracket

- Interior wall bracket for indoor dome cameras
- Fits most 100mm camera base
- Easy to install

Available in Black & White Models

Brack Box — Interior Wall Bracket

- Wall bracket for box cameras
- Die cast metal
- Easy installation

Brack-XDD-Wall (WH/BL) — Exterior Wall Bracket

- Fits XDDIII cameras
- Die cast metal construction
- Corrosion proof
- Easy to install

Available in Black & White Models

Brack-XDD-Pend (WH/BL) — Exterior Pendant Bracket

- Fits XDDIII cameras
- Die cast metal construction
- Corrosion proof
- Easy to install

Available in Black & White Models

SOH BC — Heated Camera Housing

- IP66 rated rugged housing
- Built-in heater blower
- Corrosion proof
- Adjustable position bracket mount
- Aluminum alloy
- For indoor/outdoor installation
- Antifog design

SOH BC IR — Heated IR Camera Housing

- 100 meter high power IR coverage
- IP66 rated rugged housing
- Built-in heater blower
- Corrosion proof
- Adjustable position bracket mount
- Aluminum alloy
- For indoor/outdoor installation
- Antifog design

BRACK-BI-CM / BRACK-BI-JN BRACK-BI-PM — For XDD Bullet Cameras

Corner Mount Pole Mount

Junction Box

- Corner Mount
- Pole Mount
- Junction Box
- Fits XDD bullet cameras
- Corrosion proof
- Die cast metal construction
- Easy to install

Brack-BB35 / PM35 / WM35 — Mounting Back Box/Bracket

Model Brack-BB35
- Back Box for MPIX 1.3DF, 2.1DF and EDGE VDV
- Die cast metal construction
- Corrosion proof
- Easy to install (3.5 Diameter)

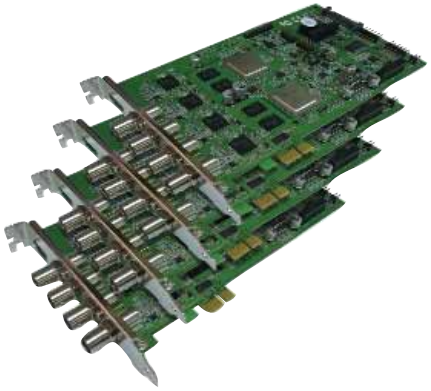
Model Brack-PM35
Pendent Mount for MPIX 1.3DF,2.1 DF & EDGE VDV

Model Brack-WM35
WALL Mount for MPIX 1.3DF,2.1 DF & EDGE VDV

Analog Capture Cards

NF-04SDI / NF-08SDI / NF-16SDI

NetFLOW 4, 8 & 16 CH SDI Card



NetFLOW capture cards are to be coupled with servers.
Please contact Sales Department for details

iPhone Android

Windows 7

- Hardware Compression H.264
- Max. 4 cards per system
- 1080p @ 120/240/480 display & recording
- Supports analog, HD-SDI and megapixel IP cameras up to 64 channel
- Failover Recording Server Support
- Built-in web server
- H.264 compression format
- Triple monitor display
- Manual and Schedule backup support
- POS, I/O device, LPR and access control integration
- Software watchdog
- Supports iPhone, iPad and Android clients
- Remote smart playback system with 5 video analytics searches

NFHC-08HD

NetFLOW 8CH Compression Card

NetFLOW capture cards are to be coupled with servers.
Please contact Sales Department for details

iPhone Android

Windows 7

- Real time Display NTSC/PAL 240 / 200 fps
- Real time Recording NTSC/PAL 240 / 200 fps
- Supports analog, HD-SDI and megapixel IP cameras up to 64 channel
- Failover Recording Server Support
- Built-in web server
- H.264 compression format
- Triple monitor display
- Manual and Schedule backup support
- POS, I/O device, LPR and access control integration
- Privacy Mask
- Software watchdog
- Supports iPhone, iPad and Android clients
- Remote smart playback system with 5 video analytics searches

NFHC-16HD

NetFLOW 16CH Compression Card

NetFLOW capture cards are to be coupled with servers.
Please contact Sales Department for details

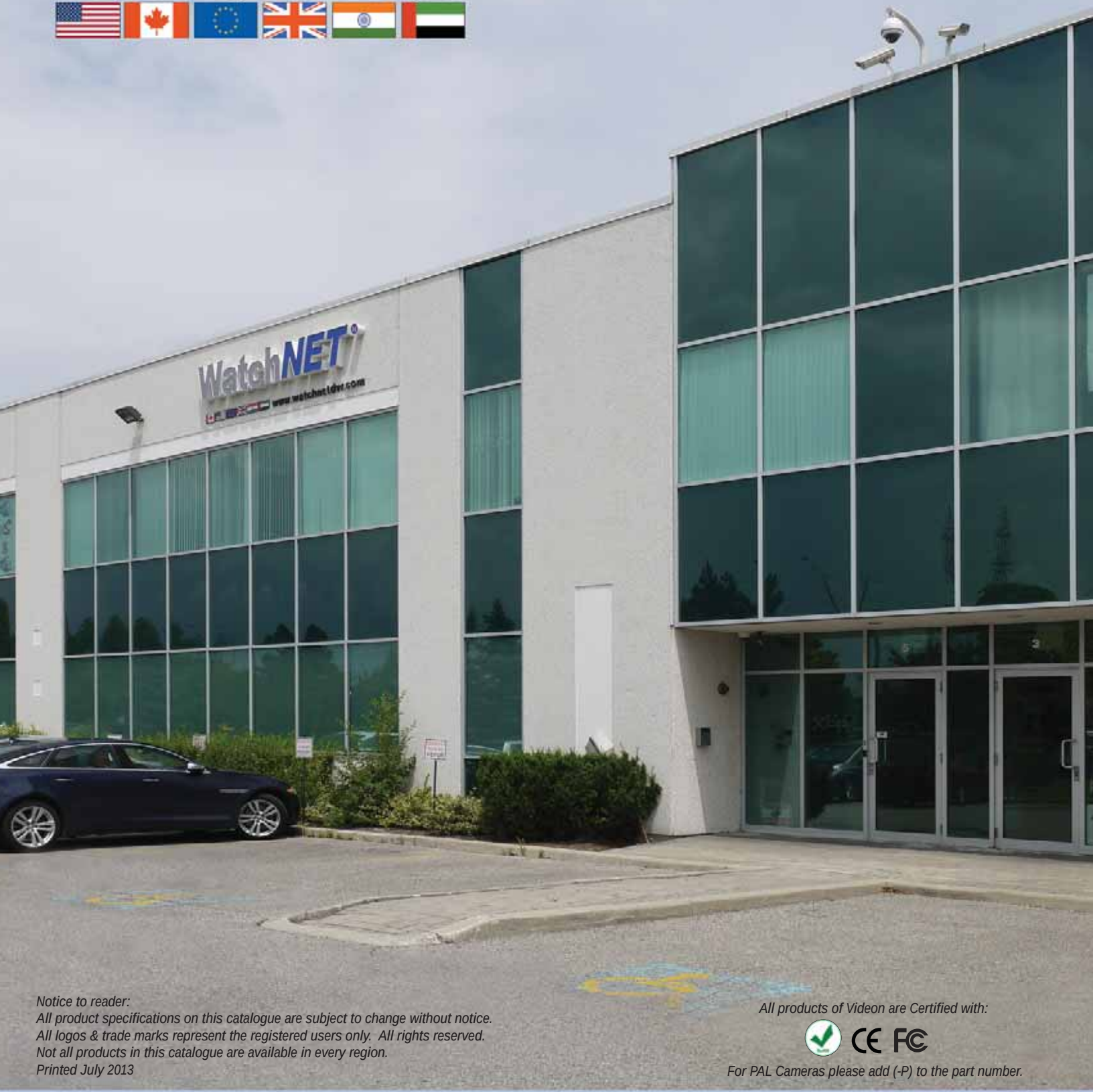
iPhone Android

Windows 7

- Real time Display NTSC/PAL 480 / 400 fps
- Real time Recording NTSC/PAL 480 / 400 fps
- Supports analog, HD-SDI and megapixel IP cameras up to 64 channel
- Failover Recording Server Support
- Built-in web server
- H.264 compression format
- Triple monitor display
- Manual and Schedule backup support
- POS, I/O device, LPR and access control integration
- Privacy Mask
- Software watchdog
- Supports iPhone, iPad and Android clients
- Remote smart playback system with 5 video analytics searches

WatchNET®

Integrated Digital Technologies



Notice to reader:
All product specifications on this catalogue are subject to change without notice.
All logos & trade marks represent the registered users only. All rights reserved.
Not all products in this catalogue are available in every region.
Printed July 2013

All products of Videon are Certified with:

CE FC

For PAL Cameras please add (-P) to the part number.

CANADA:
351 Ferrier Street, Unit 5
Markham, Ontario
L3R 5Z2, Canada
Tel: 416-410-6865
Fax: 1-866-331-3341
Toll Free: 1-866-843-6865

USA:
700 Ensminger Rd. Site 104
Tonawanda, NY
14150 USA
Toll Free: 1-866-843-6865
Local: 1-716-877-7277
Fax: 1-866-331-3341

www.watchnetinc.com
info@watchnetinc.com

UAE:
P O Box No 126312
Dubai, UAE
Tel: + 971 4 3584458
Fax: + 971 4 3584458
Mobile: + 971 50 5869290

INDIA:
C-48, DDA Shed, Ground Floor
Okhla Industrial Area, Phase I
New Delhi-110020
Tell: +91 11 26816005
Fax: +91 11 26816006
Mobile: + 91 9654297002